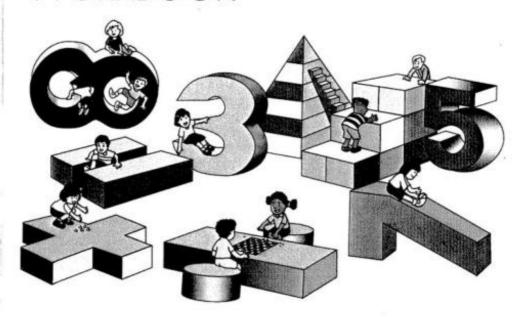
# PRIMARY MATHEMATICS 4A

WORKBOOK



Name	
Class	
School	







#### 1 Whole Numbers

Exercise 1
Exercise 2
Exercise 3
Exercise 4
Exercise 5
Exercise 6
Exercise 7
Exercise 8
Exercise 9
Exercise 10





# 2 Multiplication and Division of Whole Numbers

Review 1		37
Exercise 16		35
Exercise 15		32
Exercise 14	( )	31
Exercise 13	63	29
Exercise 12		27
Exercise 11		26
Evergice 11		



3	Fractions			-	
	Exercise 17		00k	Mary Silvery B	39
	Exercise 18		de la	25/100	42
	Exercise 19		113	33.	44
	Exercise 20		(FEE	- Contraction	47
	Exercise 21				49
	Exercise 22				51
	Exercise 23				53
	Exercise 24	CON S			55
	Exercise 25	86.35			57
	Exercise 26				60
	Review 2				62
	Exercise 27	ST. P			67
	Exercise 28				69
	Exercise 29				70
	Exercise 30		P4	Comment of the	73
	Exercise 31		2	Carre	76
	Exercise 32		1 (200	Toma und	79
	Exercise 33		THE	Form	81
	Exercise 34		( CALES	A.A.	84
	Exercise 35			8	86
	Review 3				88
4	Graphs				
	Exercise 36	0	173		92
	Exercise 37	The sund	A STORY		94
	Exercise 38	13 E3 E	5.02		96
	Exercise 39	a day	N N		98
	Exercise 40		<b>E</b>		101
5	Angles				
	Exercise 41				103
	Exercise 42				105
	Exercise 43				110
	Exercise 44				114

#### 6 Perpendicular and Parallel Lines

Exercise 45

Exercise 46

Exercise 47

Exercise 48

#### 7 Area and Perimeter

Exercise 49

Exercise 50

Exercise 51

Exercise 52

#### Review 4





115

117

119 121

123

125 127

128

130

1. Write the numbers in figures.

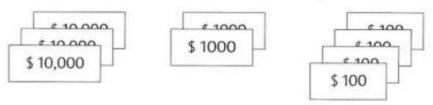
Ones
1) (1
1

The number is \_\_\_\_\_.

Ten thousands	Thousands	Hundreds	Tens	Ones
(10000)	(1000) (1000)	(100) (100)		(1)(
(10000)	(1000)	(100) (100)		(1) (

The number is \_\_\_\_\_.

2. Mr. Wang sold his car for this amount of money.



- (a) Write the amount of money in figures:
- (b) Write the amount of money in words:

3.	Write	the	following	in	figures.
----	-------	-----	-----------	----	----------

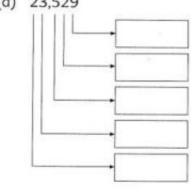
Eight thousand, four hundred two dollars	
Twelve thousand, seven hundred ninety-three dollars	
Ninety thousand, five hundred eleven dollars	
Eighty-eight thousand, eight dollars	180
Ninety-nine thousand, nine hundred ninety-nine dollars	

# 4. Write the following in words.

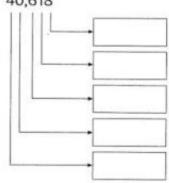
(a)	\$2080	
(b)	\$9215	
(c)	\$47,010	
(d)	\$89,102	
(e)	\$40,900	
(f)	\$78,999	

- Complete the number patterns.
  - (a) 7000, 8000, \_\_\_\_\_, 10,000, \_\_\_\_\_
  - (b) 2400, 4400, \_\_\_\_\_, 10,400
  - (c) 4065, 14,065, 24,065, \_\_\_\_\_, \_\_\_\_
  - (d) 5200, 10,200, 15,200, \_\_\_\_\_
  - (e) 9843, 9943, \_\_\_\_\_, 10,143, \_\_\_\_\_
- 2. Write the values of the digits in each of the following numbers.

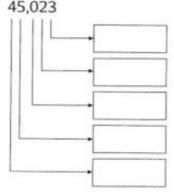




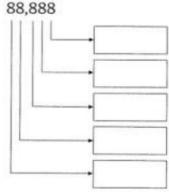
(b) 40,618



(c) 45,023



(d) 88,888



Fill in the blanks.

(c) 
$$40,180 = ____ + 100 + 80$$

- 5. (a) \_\_\_\_\_ is 1000 more than 42,628.
  - (b) 26,324 is 1000 more than \_\_\_\_\_\_.
  - (c) \_\_\_\_\_ is 100 less than 90,000.
  - (d) 86,000 is 100 less than \_\_\_\_\_\_.
  - (e) 45,600 is \_\_\_\_\_ more than 45,500.
  - (f) 38,400 is \_\_\_\_\_\_ less than 39,400.

- 6. (a) 37,526 is \_\_\_\_\_ more than 37,000.
  - (b) 37,526 is \_\_\_\_\_ more than 7526.

2.

3.

1. Fill in the blanks.

Ten thousands	Thousands	Hundreds	Tens	Ones
7	8	2	4	3

(a)	In <b>7</b> 8,243, the digit <b>7</b> stands for
(b)	In 78,243, the digit is in the <b>hundreds</b> place.
	The value of the digit is
(c)	In 78,243, the <b>tens</b> digit is and the <b>thousand</b>
	digit is
Fill	in the blanks.
(a)	In 24,568, the digit 4 stands for
(b)	In 43,251, the digit is in the <b>ten thousands</b> place.
	The value of the digit is
(c)	In 30, <b>5</b> 64, the value of the digit 5 is
Arro	ange the numbers in increasing order.
(a)	3695, 3956, 35,096, 30,965

(b) 43,526, 29,687, 50,314, 46,254

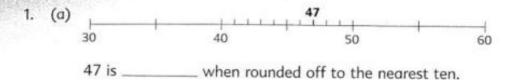
#### 1. Add.

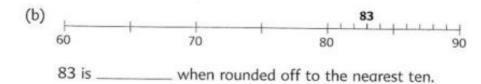
#### 2. Subtract.

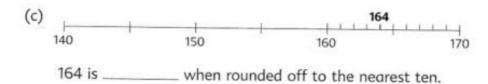
#### 3. Multiply.

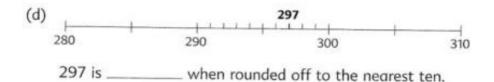
#### 4. Divide.

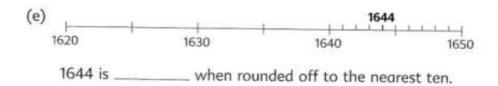
Fill in the blanks.

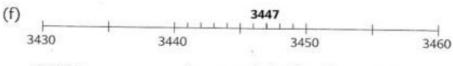






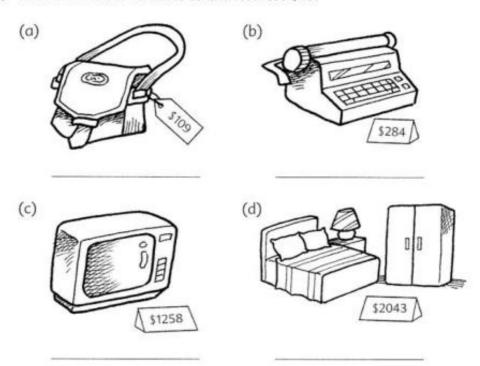






3447 is \_\_\_\_\_ when rounded off to the nearest ten.

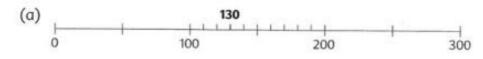
#### 2. Round off each amount to the nearest \$10.



The table shows the number of computers sold by a company in the first six months of the year. Round off each number to the nearest ten.

Month	Number of computers	Rounded off to the nearest ten
January	438	
February	272	
March	103	
April	598	
May	346	
June	269	

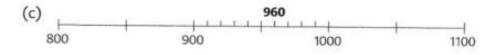
1. Fill in the blanks.



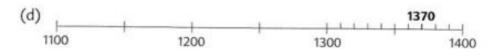
130 is \_\_\_\_\_ when rounded off to the nearest hundred.



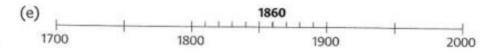
585 is \_\_\_\_\_ when rounded off to the nearest hundred.



960 is \_\_\_\_\_ when rounded off to the nearest hundred.



1370 is \_\_\_\_\_ when rounded off to the nearest hundred.



1860 is \_\_\_\_\_ when rounded off to the nearest hundred.



2885 is \_\_\_\_\_ when rounded off to the nearest hundred.

(a)	Ali has 758 books. Round off the number of books to the nearest hundred.	ii -
(b)	There are 3219 pupils in a school. Round off the number of pupils to the nearest hundred.	
(c)	Sally has \$2465 in her savings account. Round off this amount to the nearest \$100.	
(d)	The distance by air between two cities is 6328 km. Round off this distance to the nearest 100 km.	

This table shows the number of stamps collected by 6 boys. Round off each number to the nearest hundred.

Name	Number of stamps	Rounded off to the nearest hundred
Ahmad	705	
Robert	693	
Jincai	1999	
Ravi	5846	
Lionel	1202	
Shunde	2055	

Round off each number to the nearest hundred.
 Then estimate the value of each of the following:

(a)	319	+	589 ↓		
	300	+	600	=	
(b)	782	-	509		
	\$00	_	↓ 500	=	
(c)	792 ↓	+	204		
		+		=	
(d)	903 ↓	-	288 ↓		
		-		=	
(e)	612	+	589 ↓		
		+		= "	
(f)	892 ↓	_	328 ↓		
	_	_	_	=	
(g)	1798 ↓	+	416		
		+	↓ 	=	
(h)	2304	_	996		
3000	1				
		-		=	

Round off each number to the nearest hundred. Then estimate the value of each of the following:

(a) 
$$296 + 109 + 394$$
  
 $300 + 100 + 400 =$ 

(b)  $704 - 196 - 312$   
 $- - - - = =$ 

(c)  $998 - 194 + 97$   
 $- - + = =$ 

(d)  $499 + 301 - 294$   
 $+ - - = =$ 

(e)  $1992 - 607 + 489$   
 $- - + = =$ 

(f)  $2409 + 593 - 708$   
 $+ - = =$ 

(g)  $1109 - 98 + 392$   
 $+ - = =$ 

(h)  $3012 + 996 + 402$   
 $+ + = =$ 

1. Write down the factors of 20.

# 999999999999999999

 $1 \times 20 = 20$ 

V	V	V	y	V	y	Ø	Ø	Ø	Ø	
17	17	17	W	17	W	V	W	N	17	

$$2 \times 10 = 20$$

 $4 \times 5 = 20$ 

The factors of 20 are \_\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2. Fill in the blanks.

(a)



 $2 \times 6 = 12$ 

and \_\_\_\_\_ are factors of 12.

(b)



 $1 \times 8 = 8$ 

and \_\_\_\_\_ are factors of 8.

(c)



 $3 \times 7 = 21$ 

and \_\_\_\_\_ are factors of 21.

3. Find the missing factors.

(a) (b) 2 × \_\_\_\_ = 8  $\times$  6 = 18 (c) 5 × \_\_\_\_ = 45 (d) 6 × \_\_\_\_ = 48 (e) 7 × \_\_\_\_ = 56 (f) 9 × \_\_\_\_ = 72 (g) \_\_\_\_ × 4 = 36 (h)  $\times 6 = 54$ (j) × 8 = 64 (i) × 7 = 70

- 4. Fill in the blanks.
  - (a) 8 = 1 × \_\_\_\_\_ 8 = 2 ×

The factors of 8 are \_\_\_\_\_\_.

and \_\_\_\_\_.

(b) 15 = 1 × \_\_\_\_\_

15 = 3 × \_\_\_\_\_

The factors of 15 are \_\_\_\_\_.

1.

2)35

(a) Is 2 a factor of 35?

(b) Is 3 a factor of 45?

3)45

#### 2. Write Yes or No.

Number	Is 3 a factor of the number?	Is 4 a factor of the number?	Is 5 a factor of the number?
30	Yes	No	Yes
36			
48			
60			
75			
84			

- 3.
- (a) Is 4 a common factor of 36 and 60?
  - 4)36

- 4)60
- (b) Is 4 a common factor of 48 and 90?

(c) Is 6 a common factor of 30 and 78?

- 4. Find the factors of each of the following numbers.
  - (a) 64

$$64 = 4 \times 16$$

$$64 = 1 \times 64$$
  $64 = 4 \times 16$   $64 = 8 \times 8$ 

$$64 = 8 \times 8$$

- The factors of 64 are
- (b) 72

(c) 84

1. Fill in the blanks.



\_\_\_\_\_ is the first multiple of 6.

\_\_\_\_\_ is the second multiple of 6.

\_\_\_\_\_ is the third multiple of 6.

\_\_\_\_\_ is the fourth multiple of 6.



The first five multiples of 7 are \_\_\_\_\_\_, \_\_\_\_\_,

2. Write the next five multiples for each number.

Number	Multiples	
2	2, 4,	
3	3, 6,	
4	4, 8,	
6	6, 12,	
8	8, 16,	
10	10, 20,	

3. Fill in the blanks.

Multiples of 3: 3, 6, 9, 12, 15, 18,	
Multiples of 2: 2, 4, 6, 8, 10, 12,	
The first two common multiples of 3 and 2 are	
and	
[1] : [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	
Wultiples of 4: 4, 8, 12, 16,	
The first two common multiples of 8 and 4 are	
and	
Outproper and the contraction	
PARENTI AND	
Multiples of 6:	
The first two common multiples of 9 and 6 are	
and	
Multiples of 8:	
Multiples of 6:	
The first two common multiples of 8 and 6 are	
and,	
	Multiples of 2: 2, 4, 6, 8, 10, 12,  The first two common multiples of 3 and 2 are and  Multiples of 8: 8, 16, 24, 32,  Multiples of 4: 4, 8, 12, 16,  The first two common multiples of 8 and 4 are and  Multiples of 9: Multiples of 6: and  Multiples of 8: and  Multiples of 8: and  Multiples of 6:  The first two common multiples of 8 and 6 are and

1. Estimate and then multiply.

(a)

1893	×	4	i
2000	×	4	=

1893 × 4

(b)

4036

× 7 =

(c)

5987 8

(d)

8 1 9 5 × 9

1. Estimate and then divide.

(a)

5)2475

(b)

6)3594

(c)

+ 7 =

7)4214

(d)

9)6480

2. Multiply or divide.

4032 × 3	2 3 7 0 × 5	3208 × 9	7 2 4 8 × 6
4)5208	3)9207	8)1936	10)2520

Color the spaces which contain the answers to the above. You will help David find his way home.

8	642		40	252	242	1302	43	,488
872	242	2	744	12,	096	118	35	17
28,872	15	5,4	88	3069	252	2952	372	3217
1302	02	3002	11,850	20	27	81	28,872	1296
12,096	30		11,8	2420	188	69	20	190
12,	369		20,	832	43,488	3069	11,850	13,061

A bottle contains red beads and white beads.
 The number of red beads is 3 times the number of white beads.
 If there are 1875 white beads, what is the total number of beads in the bottle?

2. The number of meat buns a baker made is 4 times the number of curry buns.
If he made 4864 meat buns, how many more meat buns than curry buns did he make?

3. David bought 2 computers at \$3569 each. He had \$2907 left. How much money did he have at first?

5 people shared a sum of money.
 2 of them received \$4356 each.
 The others received \$3807 each.
 Find the sum of money.

1. Fill in the blanks.

A car can travel 8 km on 1 liter of gas.	It can travel km on 10 liters of gas.
1 tennis racket costs \$34.	10 tennis rackets cost
Justin bakes 586 buns every day.	He bakesbuns in 10 days.

2. Multiply.

2 6	3 8	5 8 2	7 4 9
× 10	× 10	× 10	× 10
6 8	6 8	4 0	4 0
× 3	× 3 0	× 5	× 5 0
4 3 6	4 3 6	670	670
× 4	× 4 0	× 8	× 80

1. Multiply.

$$4 \times 3 = 12$$
  
 $40 \times 3 =$ 

$$4 \times 30 =$$

$$40 \times 300 =$$

$$6 \times 50 =$$

$$60 \times 50 =$$

$$6 \times 500 =$$

$$600 \times 50 =$$

$$60 \times 500 =$$

2. Estimate and then multiply.

52 ↓ 39 ↓ × 50 40 ×

52 × 39

(b)

78 ↓ 33 ↓ × ×

78 × 3 3

(c)

29 ↓ ×

87

×

29 ×87

(d)

92 ↓ 71 1 × ×

92  $\times$  7 1

Estimate and then multiply. 3.

=



×

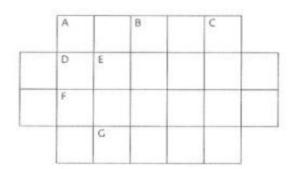
 Multiply and use the answers to complete the cross-number puzzle below.

#### **ACROSS**

В	D	F	G
2 1 × 13	1 7 × 3 9	3 7 × 2 4	× 8 0

#### DOWN

		E
5 3 × 4 5	5 9 × 6 0	4 9 × 1 4



Multiply and use the answers to complete the cross-number puzzle.

# ACROSS

A	C	D
118	249	329
× 23	× 31	× 18
F 167	H 120	J 249
167	138	249
× 17	× 11	× 25

# В C D Ε G

#### DOWN

A	В	E
895	676	346
× 31	× 62	× 28
F	G	ı
406	119	135
× 53	× 29	× 65

# **REVIEW 1**

Write the answers in the boxes.

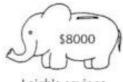
- Write the following in figures.
  - (a) Fifty-five thousand, three hundred eighty-two
  - (b) Forty thousand, twelve
- Write the following in words.
  - (a) 28,740 \_\_\_\_\_
  - (b) 35,084 \_\_\_\_\_
- 3. Write the missing numbers in the following number pattern.



- What is the missing number in each
  - (a)  $98,406 = 90,000 + \blacksquare + 400 + 6$
  - (b)  $10,000 + 500 + 1 = \blacksquare$
  - (c) 67.014 = 11 + 14
- In 47,158, the value of the digit 7 is
- 6. In 69,015, the digit is in the hundreds place.
- 7.

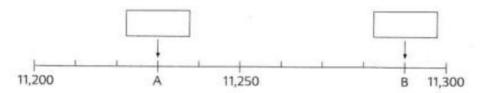


Holly's savings



Leigh's savings

Holly saved \$ more than Leigh. 8. What number does each letter represent?



9. Round off \$90,350 to the nearest \$100.

10. Write down two factors of 36.



11. Write down two common multiples of 6 and 10.



12. The **product** of two numbers is 216. One of the numbers is 8. What is the other number?



13. A shopkeeper had 50 boxes of apples. There were 24 apples in each box. If he sold all the apples at 3 for \$1, how much money did he receive?

 Color each figure to show the given fractions. Then add the fractions.

(a)

$$\frac{2}{5}$$
 red

 $\frac{1}{5}$  yellow

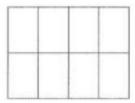


$$\frac{2}{5} + \frac{1}{5} =$$

(b)

$$\frac{2}{8}$$
 blue

 $\frac{5}{8}$  green

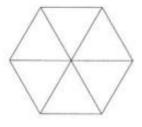


$$\frac{2}{8} + \frac{5}{8} =$$

(c)

$$\frac{3}{6}$$
 red

$$\frac{2}{6}$$
 blue

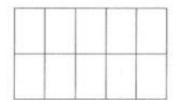


$$\frac{3}{6} + \frac{2}{6} =$$

(d)

$$\frac{4}{10}$$
 yellow

$$\frac{3}{10}$$
 red

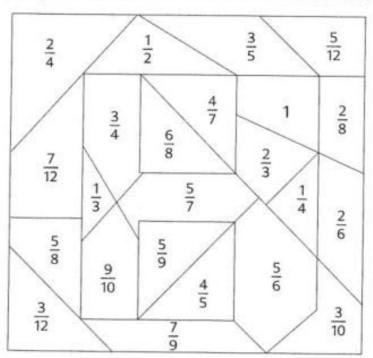


$$\frac{4}{10} + \frac{3}{10} =$$

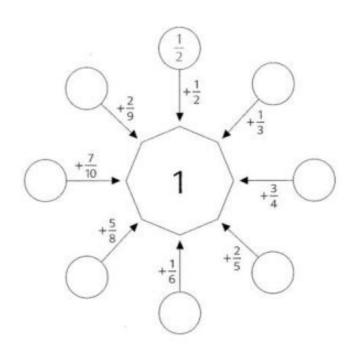
2. Add. Write the answers in simplest form.

(a) $\frac{1}{2} + \frac{1}{2} =$	(b) $\frac{1}{4} + \frac{1}{4} =$	(c) $\frac{1}{3} + \frac{1}{3} =$
(d) $\frac{1}{5} + \frac{2}{5} =$	(e) $\frac{3}{6} + \frac{2}{6} =$	(f) $\frac{1}{7} + \frac{4}{7} =$
(g) $\frac{5}{8} + \frac{1}{8} =$	(h) $\frac{2}{9} + \frac{5}{9} =$	(i) $\frac{2}{10} + \frac{7}{10} =$

How many legs does a spider have? Color the spaces which contain the answers to find out.



3. Write the missing number in each ().



4. Add. Write the answers in simplest form.

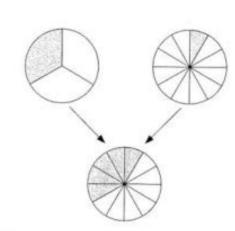
(a) 
$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} =$$
(b)  $\frac{1}{5} + \frac{3}{5} + \frac{1}{5} =$ 
(c)  $\frac{3}{8} + \frac{1}{8} + \frac{1}{8} =$ 
(d)  $\frac{1}{9} + \frac{2}{9} + \frac{4}{9} =$ 
(e)  $\frac{2}{7} + \frac{2}{7} + \frac{2}{7} =$ 
(f)  $\frac{5}{9} + \frac{2}{9} + \frac{2}{9} =$ 
(g)  $\frac{3}{10} + \frac{2}{10} + \frac{1}{10} =$ 
(h)  $\frac{5}{12} + \frac{1}{12} + \frac{3}{12} =$ 

1. Write the missing numbers.

(a) 
$$\frac{1}{3} + \frac{1}{12}$$

$$= \frac{4}{12} + \frac{1}{12}$$

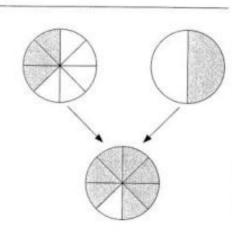
$$= \boxed{ }$$



(b) 
$$\frac{3}{8} + \frac{1}{2}$$

$$= \frac{3}{8} + \boxed{ }$$

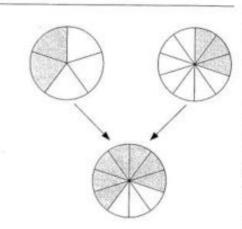
$$= \boxed{ }$$



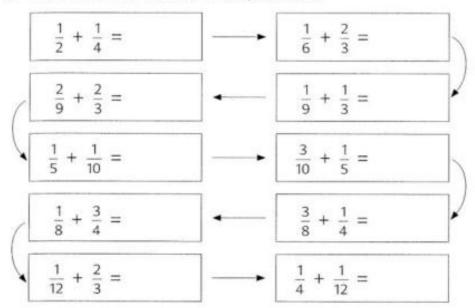
(c) 
$$\frac{2}{5} + \frac{3}{10}$$

$$= \boxed{ + \frac{3}{10}}$$

$$= \boxed{ }$$

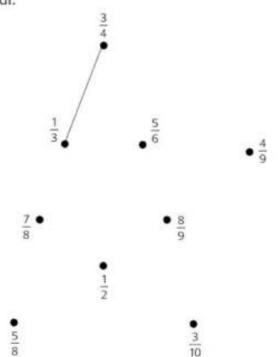


2. Add. Write the answers in simplest form.



Join the dots by following the order of the answers above. You will get a star.

 $\frac{3}{4}$  •



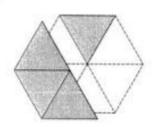
#### 1. Subtract.

(a)



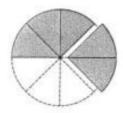
$$\frac{4}{5} - \frac{1}{5} =$$

(b)



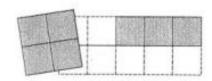
$$\frac{4}{6} - \frac{3}{6} =$$

(c)



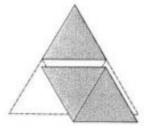
$$\frac{5}{8} - \frac{2}{8} =$$

(d)



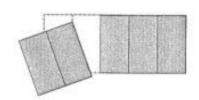
$$\frac{7}{10} - \frac{4}{10} =$$

(e)



$$\frac{3}{4} - \frac{2}{4} =$$

(f)

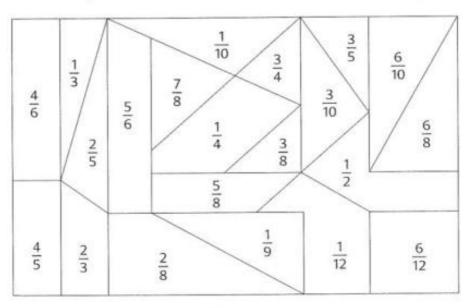


$$1 - \frac{2}{5} =$$

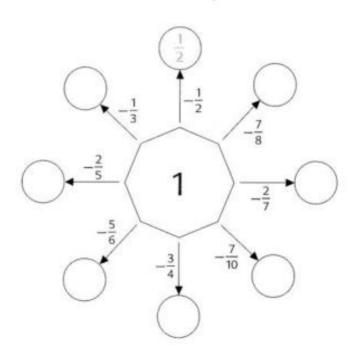
2. Subtract. Write the answers in simplest form.

(a) $\frac{2}{3} - \frac{1}{3} =$	(b) $\frac{4}{5} - \frac{2}{5} =$
(c) $\frac{5}{6} - \frac{1}{6} =$	(d) $\frac{7}{8} - \frac{2}{8} =$
(e) $\frac{5}{8} - \frac{3}{8} =$	(f) $\frac{7}{8} - \frac{1}{8} =$
(g) $\frac{9}{10} - \frac{3}{10} =$	(h) $\frac{7}{10} - \frac{4}{10} =$
(i) $\frac{11}{12} - \frac{5}{12} =$	(j) $\frac{7}{12} - \frac{6}{12} =$

What is two times seven? Color the spaces which contain the answers to find out.



3. Write the missing number in each ( ).



4. Subtract. Write the answers in simplest form.

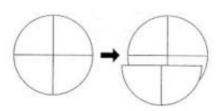
(a) $1 - \frac{1}{4} - \frac{1}{4} =$	(b) $\frac{5}{7} - \frac{1}{7} - \frac{2}{7} =$
(c) $\frac{4}{5} - \frac{3}{5} - \frac{1}{5} =$	(d) $1 - \frac{3}{8} - \frac{5}{8} =$
(e) $\frac{5}{6} - \frac{1}{6} - \frac{1}{6} =$	(f) $\frac{7}{9} - \frac{2}{9} - \frac{2}{9} =$
(g) $1 - \frac{1}{10} - \frac{3}{10} =$	(h) $\frac{11}{12} - \frac{5}{12} - \frac{2}{12} =$

1. Write the missing numbers.

(a) 
$$\frac{3}{4} - \frac{1}{2}$$

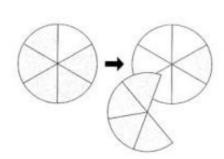
$$= \frac{3}{4} - \frac{2}{4}$$

$$= \boxed{ }$$



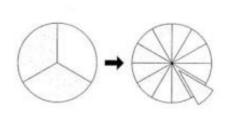
(b) 
$$\frac{5}{6} - \frac{2}{3}$$

$$= \frac{5}{6} - \boxed{\phantom{0}}$$



(c) 
$$\frac{2}{3} - \frac{1}{12}$$

$$= \boxed{ -\frac{1}{12}}$$



2. Subtract. Write the answers in simplest form.

$\frac{1}{2} - \frac{1}{6}$ $=$		$\frac{3}{4} - \frac{5}{8}$		$\frac{2}{3} - \frac{2}{9}$	
	А		D		E
$\frac{3}{4} - \frac{1}{12}$		$\frac{2}{5} - \frac{1}{10}$		$\frac{5}{6} - \frac{5}{12}$	
	1		L		Q
$\frac{4}{5} - \frac{3}{10}$		$\frac{1}{2} - \frac{5}{12}$		$\frac{7}{12} - \frac{1}{3}$	
	R		Т		U

A 3-sided figure is called a triangle. What is a 4-sided figure called? Write the letters which match the answers to find out.

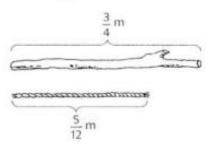
		Α					Α				Α	
5	1	1	1	1	2	3	1	1	4	1	1	3
12	4	3	8	2	3	3 10	3	12	9	2	3	10

1. Meredith bought a piece of cloth.

She used  $\frac{3}{8}$  of it to make a dress.

What fraction of the cloth did she have left?

2. How much longer is the stick than the string?



3. John spent  $\frac{1}{2}$  of his money on a toy car.

He spent  $\frac{1}{6}$  of his money on a pen.

What fraction of his money did he spend altogether?

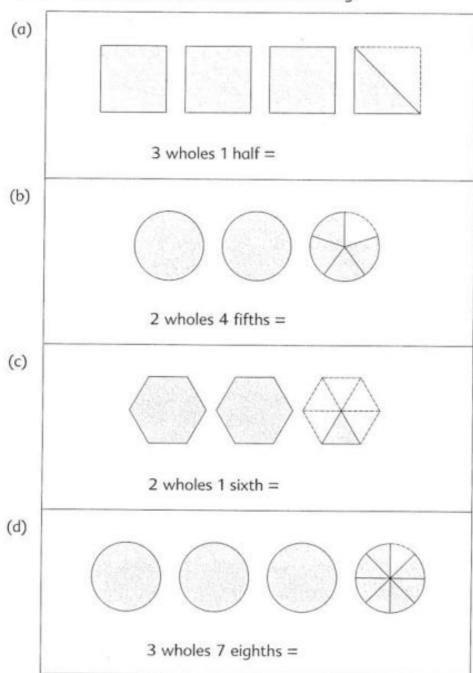
4. Mary drank  $\frac{3}{10}$  liter of orange juice.

Jim drank  $\frac{1}{5}$  liter of orange juice less than Mary. How much orange juice did they drink altogether?

5. Lily bought 1 yd of ribbon.

She used  $\frac{1}{2}$  yd to tie a package and  $\frac{3}{10}$  yd to make a bow. How much ribbon did she have left?

Write a mixed number for each of the following:



- Fill in the blanks.
  - (a) Here are three strings A, B and C.

C ------

B ------

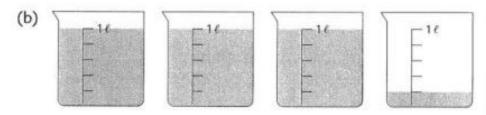
A 1m



The length of A is 1 m.

The length of B is \_\_\_\_\_ m.

The length of C is \_\_\_\_\_ m.

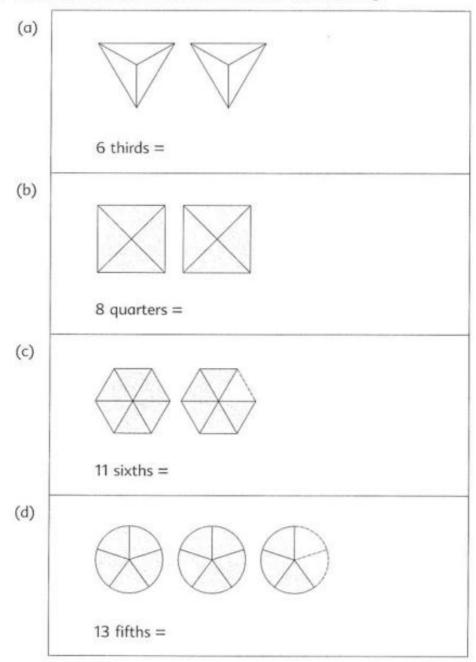


The total amount of water is \_\_\_\_\_ liters.

$$3 + \frac{3}{4} =$$

(d) 
$$3 - \frac{1}{2} =$$

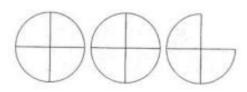
1. Write an improper fraction for each of the following:



Write a mixed number and an improper fraction for each of the following:

		Mixed number	Improper fraction
(a)	1 whole	$2\frac{5}{6}$	17 6
(b)	1 whole		
(c)	1 whole		
(d)	1 whole		
(e)	1 whole		
(f)	1 whole		

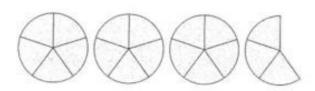
1. (a) Express  $\frac{11}{4}$  as a mixed number.



$$\frac{11}{4} = \frac{8}{4} + \frac{3}{4}$$
$$= 2 + \frac{3}{4}$$

=

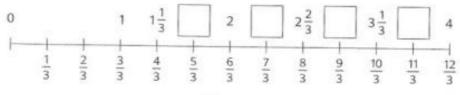
(b) Express  $\frac{18}{5}$  as a mixed number.



$$\frac{18}{5} = \frac{15}{5} + \frac{3}{5}$$

=

2. Fill in each box with a mixed number or a whole number.



Change each improper fraction to a mixed number or a whole number.

(a) 
$$\frac{5}{2} = \frac{4}{2} + \frac{1}{2}$$

(b) 
$$\frac{17}{10} = \frac{10}{10} + \frac{7}{10}$$

(c) 
$$\frac{7}{6} =$$

(d) 
$$\frac{7}{3} =$$

(e) 
$$\frac{11}{5}$$
 =

(f) 
$$\frac{9}{4} =$$

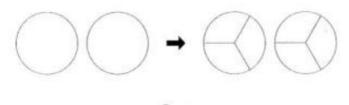
(g) 
$$\frac{11}{8}$$
 =

(h) 
$$\frac{9}{2}$$
 =

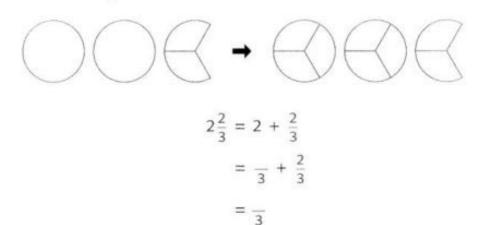
(i) 
$$\frac{15}{5} =$$

(j) 
$$\frac{12}{3}$$
 =

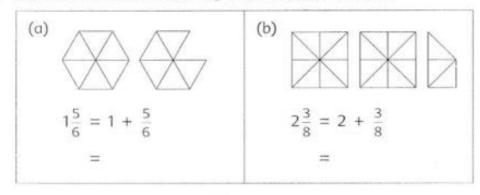
1. (a) Express 2 as an improper fraction.



(b) Express  $2\frac{2}{3}$  as an improper fraction.



2. Express each of the following as an improper fraction.



3. Change each mixed number to an improper fraction.

(a) 
$$1\frac{2}{5} = 1 + \frac{2}{5}$$
  
=  $\frac{5}{5} + \frac{2}{5}$ 

(b) 
$$1\frac{1}{4} = 1 + \frac{1}{4}$$

(c) 
$$2\frac{3}{8} =$$

(d) 
$$2\frac{1}{10} =$$

(e) 
$$3\frac{1}{6} =$$

(f) 
$$3\frac{1}{3} =$$

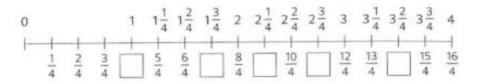
(g) 
$$2\frac{1}{2} =$$

(h) 
$$4\frac{3}{5} =$$

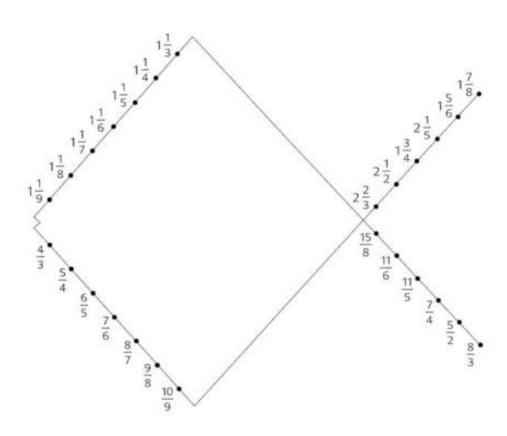
(i) 
$$1\frac{4}{9} =$$

(j) 
$$2\frac{5}{12} =$$

4. Fill in each box with an improper fraction.



Draw a straight line to match each mixed number with an improper fraction.



- Express each of the following as a whole number or a mixed number in its simplest form.
  - (a)  $\frac{12}{4}$

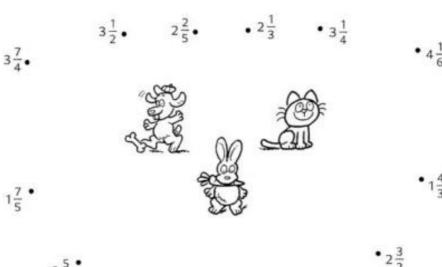
(b)  $\frac{25}{10}$ 

(c)  $\frac{15}{5}$ 

(d)  $\frac{32}{12}$ 

(e)  $\frac{19}{3}$ 

- (f)  $\frac{20}{6}$
- Draw a straight line to join each pair of equal numbers. If you do it correctly, you will trap all the animals.



• 4 \frac{3}{4}

3. Add. Give each answer in its simplest form.

(a) 
$$\frac{3}{5} + \frac{2}{5} =$$
 (b)  $\frac{1}{3} + \frac{2}{3} =$  (c)  $\frac{3}{4} + \frac{3}{4} =$  (d)  $\frac{4}{7} + \frac{5}{7} =$  (e)  $\frac{1}{2} + \frac{5}{6} =$  (f)  $\frac{3}{4} + \frac{3}{8} =$  (g)  $\frac{2}{3} + \frac{3}{6} =$  (h)  $\frac{4}{5} + \frac{3}{10} =$ 

4. Subtract. Give each answer in its simplest form.

(a) 
$$1 - \frac{7}{9} =$$
 (b)  $1 - \frac{5}{12} =$  (c)  $2 - \frac{3}{4} =$  (d)  $2 - \frac{5}{8} =$  (e)  $3 - \frac{4}{7} =$  (f)  $1 - \frac{4}{5} =$ 

Write > (is greater than), < (is less than), or = (is equal to) in each</li>

(a) 
$$1\frac{1}{2}$$
  $\frac{7}{8}$ 

(b) 
$$\frac{6}{7}$$

(c) 
$$\frac{10}{11}$$
  $\frac{11}{3}$ 

(d) 
$$\frac{10}{3}$$
  $3\frac{1}{3}$ 

(e) 
$$1\frac{11}{12}$$
  $\frac{6}{3}$ 

(f) 
$$1\frac{9}{10}$$
  $2\frac{1}{4}$ 

(g) 
$$1\frac{2}{3}$$
  $\frac{5}{3}$ 

(h) 
$$\frac{7}{2}$$
  $2\frac{9}{10}$ 

(i) 
$$\frac{9}{4}$$
  $\frac{8}{9}$ 

(j) 
$$\frac{12}{5}$$
  $2\frac{2}{5}$ 

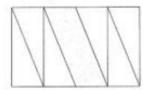
# **REVIEW 2**

	Vrite the following in words.
(	1) 60,500
(	o) 42,819
٧	/rite the following in figures.
(	Seventy-five thousand, six hundred twelve
(	b) Eighty thousand, two
٧	/hat is the value of the digit <b>3</b> in 6 <b>3</b> ,029?
Т	he digit <b>6</b> in <b>6</b> 7,090 stands for 6 ×
	rrange the numbers in increasing order. 0,360, 80,036, 83,600, 83,060, 86,300
	ound off 6349 to the nearest hundred.
R	ound off 6349 to the nearest hundred.  /rite down the first 5 multiples of 6.

9. Find the product of 23 and 80.

10.	Divide 1050 by 5.
11.	What is the quotient and remainder when 2490 is divided by 4?
12.	Arrange the numbers in increasing order. $\frac{3}{4}$ , $\frac{7}{6}$ , $\frac{5}{12}$ , 1

 What fraction of the figure is shaded? Give your answer in its simplest form.



14. The number of people who visited an exhibition was 5350 when rounded off to the nearest ten. Which one of the following could be the exact number of people

5340, 5344, 5345, 5355

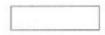
who visited the exhibition?



15. Express  $1\frac{3}{4}$  as an improper fraction.



16. Express  $\frac{24}{5}$  as a mixed number.



17. Mrs. Smith earns \$1750 a month.

How much does she earn in 6 months?



18. Jessica made 1188 cookies.

She packed 6 cookies in 1 bag.

How many bags of cookies did she have?



19.	Nicole and Tasha have 2000 stickers altogether.
	If Nicole has 600 more stickers than Tasha, how many stickers
	does Nicole have?

Jared bought a table and 12 chairs for \$2400.
 If each chair cost \$165, find the cost of the table.

21. 2500 people took part in a cross-country race. The number of adults were 4 times the number of children. If there were 1200 men, how many women were there? 22. 4 people shared the cost of a hi-fi set and a television equally. The television cost \$1980. The hi-fi set cost \$1200 more than the television. How much did each person pay?

23. A fruit seller had 25 crates of oranges. There were 36 oranges in each crate. He threw away 28 rotten oranges and sold 786 of the rest. How many oranges did he have left? 24. Lindsey bought 12 packets of orange juice. Each packet contained 375 ml of orange juice. She filled two 2-liter jugs with the orange juice. Then she poured the remaining orange juice into a cup. How much orange juice was there in the cup?

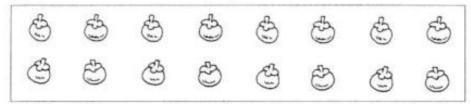
#### 25. Lauren bought 1 lb of flour.

She used  $\frac{2}{5}$  lb of flour to bake a banana cake.

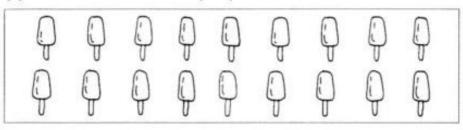
She used another  $\frac{3}{10}$  lb of flour to bake a chocolate cake.

- (a) How much flour did she use altogether?
- (b) How much more flour did she use to bake the banana cake than the chocolate cake?

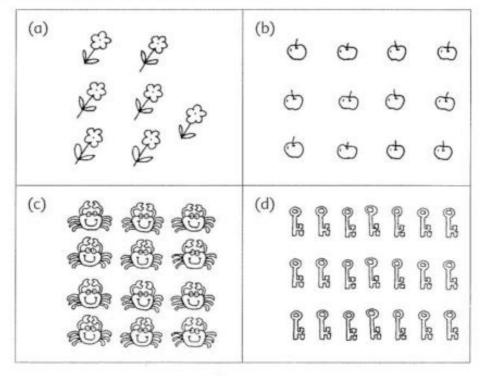
1. (a) Divide the set into 2 equal parts.



(b) Divide the set into 3 equal parts.



2. What fraction of each set is shaded?



100		
3. W	rite a fraction in each	
(a	green apples red apples	50
	of the apples are green apples.  of the apples are red apples.	
(b)		
	of the shapes are circles.  of the shapes are triangles.  of the shapes are squares.	
(c)		•••
	of the beads are black beads.	black

Find the value of each of the following:

1.



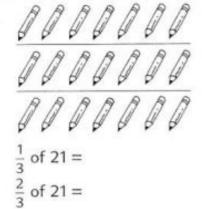
 $\frac{1}{4}$  of 20 =  $\frac{3}{4}$  of 20 =

2.

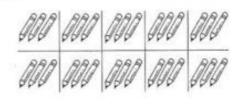
P	P	P	P	P
9	0	P	P	P
P	0	0	P	P
Q	P	P	0	0
P	P	P	P	P

 $\frac{1}{5}$  of 25 =  $\frac{3}{5}$  of 25 =

3.



4.



 $\frac{1}{10}$  of 30 =  $\frac{7}{10}$  of 30 =

5.

99	99	99	99
99	99	99	99

6.

	9	8	9	9	9
0					9
0	0	0	0	9	9
8	0	0	0	888	8

 $\frac{1}{8}$  of 16 =  $\frac{3}{8}$  of 16 =

 $\frac{1}{6}$  of 24 =  $\frac{5}{6}$  of 24 =

1. Find the value of each of the following:

(a)

0	0	0	0
0	0	0	0

 $\frac{1}{4}$  of 8 =  $\frac{1}{4} \times 8$ 

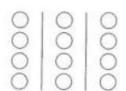
=

(b)



 $\frac{1}{5}$  of 15 =

(c)



 $\frac{1}{3}$  of 12 =

(d



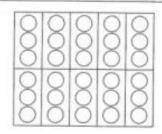
 $\frac{2}{3}$  of 6 =

(e)



 $\frac{3}{4}$  of 12 =

(f)



 $\frac{3}{10}$  of 30 =

Find the value of each of the following:

(a) 
$$\frac{1}{2}$$
 of  $8 = \frac{1}{2} \times 8$ 

(b) 
$$\frac{1}{3}$$
 of 15 =

(c) 
$$\frac{1}{4}$$
 of 20 =

(d)  $\frac{1}{6}$  of 18 =

(e) 
$$\frac{1}{5}$$
 of 80 =

(f)  $\frac{1}{6}$  of 96 =

(g) 
$$\frac{1}{8}$$
 of 120 =

(h)  $\frac{1}{10}$  of 150 =

Find the value of each of the following:

(a) 
$$\frac{2}{3}$$
 of  $15 = \frac{2}{3} \times 15$  (b)  $\frac{3}{4}$  of  $20 =$ 

(c) 
$$\frac{4}{5}$$
 of 30 = (d)  $\frac{5}{6}$  of 36 =

(e) 
$$\frac{2}{3}$$
 of 48 = (f)  $\frac{3}{4}$  of 60 =

(g) 
$$\frac{3}{5}$$
 of 100 = (h)  $\frac{7}{10}$  of 120 =

1. Find the value of each of the following:

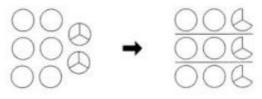
(a)



$$\frac{1}{2}$$
 of 9 =  $\frac{1}{2} \times 9$ 

=

(b)



$$\frac{1}{3}$$
 of 8 =

(c)



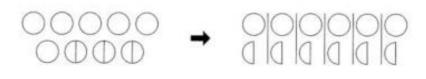
$$\frac{1}{4}$$
 of 7 =

(d)



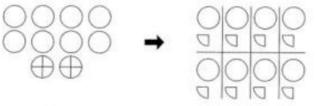
$$\frac{3}{4}$$
 of 5 =  $\frac{3}{4} \times 5$ 

(e)



$$\frac{5}{6}$$
 of 9 =

(f)



$$\frac{3}{8}$$
 of 10 =

2. Find the value of each of the following:

(a) 
$$\frac{1}{3}$$
 of 10 =

(b) 
$$\frac{1}{5}$$
 of 9 =

(c) 
$$\frac{1}{6}$$
 of 10 =

(d) 
$$\frac{1}{8}$$
 of 20 =

(e) 
$$\frac{5}{6}$$
 of 5 =

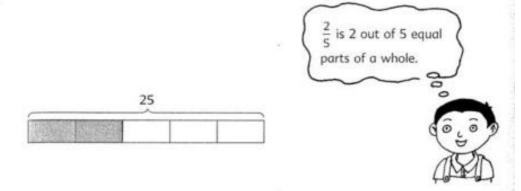
(f) 
$$\frac{5}{8}$$
 of 9 =

(g) 
$$\frac{5}{9}$$
 of 3 =

(h) 
$$\frac{3}{10}$$
 of 8 =

Minghui had 25 picture cards.

He gave  $\frac{2}{5}$  of them to his friends.

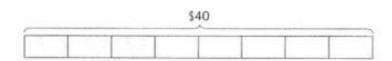


(a) How many cards did Minghui give to his friends?

(b) How many cards did he have left?

2. Siti had \$40.

She spent  $\frac{3}{8}$  of the money on a storybook.



(a) How much did the storybook cost?

(b) How much money did Siti have left?

- 3. There were 96 people on board a ship.
  - $\frac{1}{4}$  of them were females.
  - (a) How many females were there?
  - (b) How many males were there?

- 4. There are 144 children in the field.
  - $\frac{3}{8}$  of them are running.
  - (a) How many children are running?
  - (b) How many children are not running?

Give each answer in its simplest form.

1. (a) Express 20¢ as a fraction of \$1.

$$\frac{20}{100} =$$

(b) Express 80 cm as a fraction of 1 m.

(c) Express 25 minutes as a fraction of 1 hour.

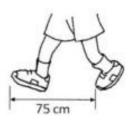
2. (a) What fraction of 1 day is 8 hours?

(b) What fraction of one 90-page book is 50 pages?

(c) What fraction of 1 m is 45 cm?

Give each answer in its simplest form.

Adam's stride is 75 cm. Express 75 cm as a fraction of 1 m.

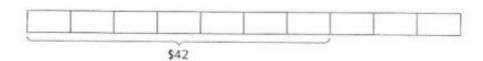


4. In a class of 40 children, 16 of them wear glasses. What fraction of the children wear glasses?

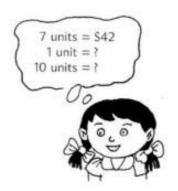
5. Cameron has 40 toy cars.
15 of them are battery operated.
What fraction of the toy cars are battery operated?

6. Jim bought a packet of 60 stamps.
24 of them were Canadian stamps.
What fraction of the stamps were Canadian stamps?

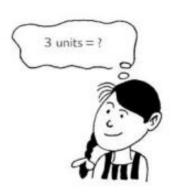
1. Limei spent  $\frac{7}{10}$  of her money and saved the rest. She spent \$42.



(a) How much money did Limei have at first?



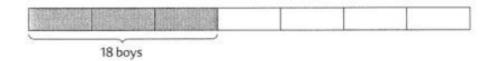
(b) How much money did she save?



2. A group of children went for a picnic.

 $\frac{3}{7}$  of them were boys.

There were 18 boys.

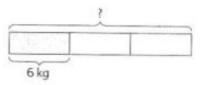


(a) How many children were there?

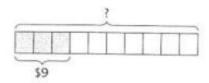
(b) How many girls were there?

3. Mrs. Reed bought a packet of flour.

She used  $\frac{1}{3}$  of the flour to bake cakes. If she used 6 kg of flour, how many kilograms of flour did she buy?



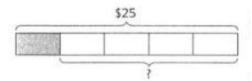
4. Susan spent  $\frac{3}{10}$  of her money on a bag. If the bag cost \$9, how much money did she have at first?



1. Meili had \$25.

She spent  $\frac{1}{5}$  of it and saved the rest.

How much did she save?



2. Minghua bought 45 oranges.

He used  $\frac{3}{5}$  of them to make orange juice.

How many oranges did he have left?

3. Meihua had \$48.

She spent  $\frac{1}{4}$  of it on a calculator. She also bought a book for \$14. How much money did she spend altogether?

4. There are 60 people on a bus.

 $\frac{2}{5}$  of them are children.

If there are 15 boys, how many girls are there?

1. Travis had 160 mangoes.

He sold  $\frac{3}{4}$  of them at \$2 each.

How much money did he receive?

2. Sara bought 30 m of material.

She used  $\frac{3}{5}$  of the material to make 6 curtains of the same size.

How many meters of material did she use for each curtain?

3. Mary bought a roll of ribbon.

After using  $\frac{5}{8}$  of the ribbon to tie some packages, she had 15 ft of the ribbon left. How many feet of ribbon did she buy?

4. John bought some stamps.

He used  $\frac{3}{5}$  of them to mail letters.

He had 12 stamps left.

How many stamps did he use?

#### **REVIEW 3**

Write the answers in the boxes.

1. 10,000 more than 46,952 is ■.

What is the missing number in the ?

2. Which is the greatest number?

85,320, 85,023, 85,203, 85,302

3. What is the greatest 5-digit number that can be formed using all of the digits 7, 0, 1, 6 and 4?

4. Which one of the following is a common factor of 18 and 36?

4, 6, 12

5. Write down the first five multiples of 8.







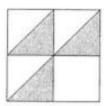


6. Which one of the following is a common multiple of 3 and 5?

5, 10, 15, 20

Mrs. Ricci used 132 cm of lace for her new dress. Round off this length to the nearest 10 cm.

8. What fraction of the figure is shaded?



9. Write the number represented by each letter.



10. A computer costs \$1857. This is 3 times the cost of a printer. How much does the printer cost?

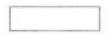


11. If Miguel earns \$1460 a month, how much does he earn in 6 months?



12. Which one of the following is the smallest fraction?

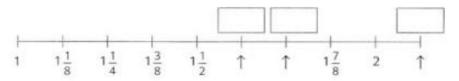
$$\frac{2}{5}$$
,  $\frac{3}{4}$ ,  $\frac{4}{7}$ 



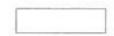
13. Arrange the fractions in order, beginning with the smallest.

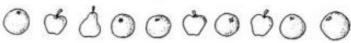
$$\frac{9}{7}$$
,  $\frac{2}{9}$ ,  $\frac{2}{7}$ ,  $\frac{2}{3}$ 

14. Write the missing numbers in the number pattern.



15. What fraction of the fruits are oranges? Write the fraction in its simplest form.





16. Express  $2\frac{3}{5}$  as an improper fraction.



17.	Express $\frac{19}{4}$ as a mixed number.	
18.	Find the product of $\frac{3}{5}$ and 10.	
19.	Rosa wants to tie 6 packages.	
	She needs $\frac{3}{5}$ yd of ribbon for each package.	
	How many yards of ribbon must she buy?	
20.	Alice made 50 cookies.	
	$\frac{3}{5}$ of them were chocolate cookies.	
	How many chocolate cookies did Alice make?	
21.	A show started at 7:15 p.m.	
	It lasted $2\frac{1}{2}$ hours.	

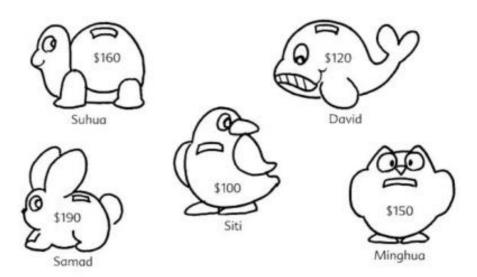
At what time did the show end?

23. A baker sold 35 packets of cookies. Each packet contained 150 cookies. How many cookies did he sell altogether?

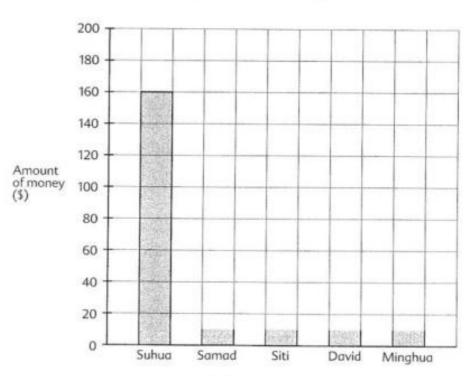
Devi bought 8 m of ribbon.
 She made 6 bows.

She used  $\frac{5}{8}$  m of ribbon for each bow. How much ribbon did she have left?

1. Here are the savings of five children.



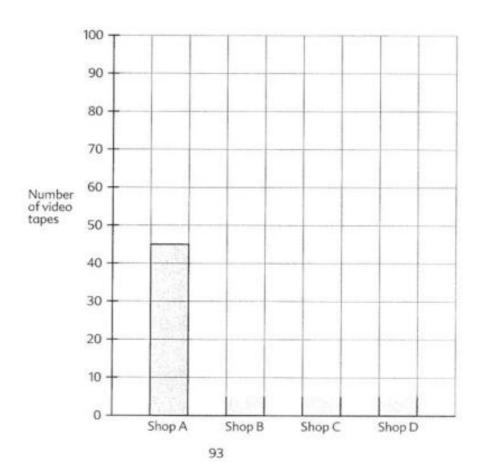
Complete the following graph to show the given data.



This table shows the number of video tapes sold in four shops in a week.

Shop	Number of video tapes sold
Α	45
В	95
С	65
D	80

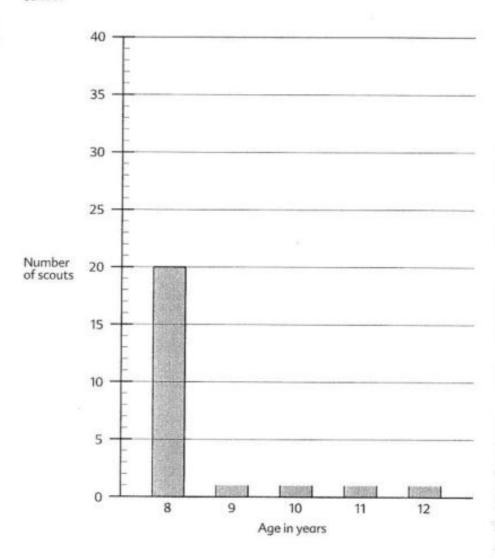
Complete the following graph to show the data given in the table.



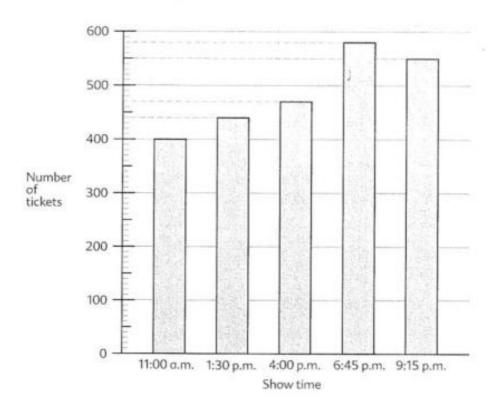
1. This table shows the ages of 100 scouts who went for a hike.

Age in years	8	9	10	11	12
Number of scouts	20	13	18	37	12

Complete the following graph to show the data given in the table.



This bar graph shows the number of tickets sold at a cinema for five film shows in a day.

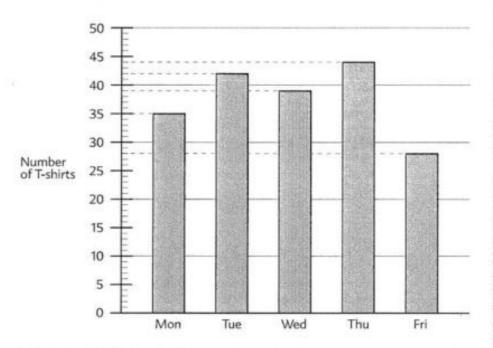


Complete the following table to show the data given in the graph.

Show time	Number of tickets sold
11:00 a.m.	400
1:30 p.m.	
4:00 p.m.	
6:45 p.m.	
9:15 p.m.	

Total number of tickets sold =

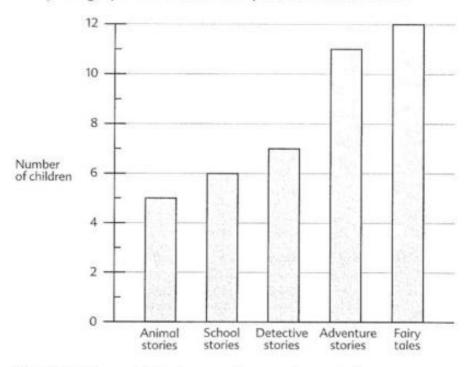
 The bar graph shows the number of T-shirts sold by Mr. Cohen from Monday to Friday. Study the graph and answer the questions which follow.



- (a) On which day did Mr. Cohen sell the greatest number of T-shirts?
- (b) How many T-shirts did he sell on Wednesday?
- (c) On which day did he sell 28 T-shirts?
- (d) How many more T-shirts did he sell on Tuesday than on Monday?
- (e) If the T-shirts were sold at \$8 each, how much did Mr. Cohen collect from the sale of the T-shirts?

A group of children were asked which type of stories they liked best.

The results are shown in the bar graph below. Study the graph and answer the questions which follow.



- (a) Which type of stories was the most popular?
- (b) How many children liked animal stories?
- (c) Which type of stories was twice as popular as school stories?
- (d) How many more children liked adventure stories than detective stories?
- (e) If there were 15 boys in the group, how many girls were there?

1.	The	number	of	students	in	four	classes	is	shown	below.
----	-----	--------	----	----------	----	------	---------	----	-------	--------

Room 12 22 boys 19 girls

Room 14 15 boys 27 girls

Room 16 22 girls 22 boys

Room 18 20 girls 21 boys

Complete the following table to show the given data.

Class	Number of boys	Number of girls
Room 12		
Room 14		
Room 16		
Room 18		
Total:		

- (a) What is the total number of boys?
- (b) What is the total number of girls?
- (c) Are there more boys or more girls? How many more?
- (d) What is the total number of students in the four classes?

The diagram shows the prices of ice cream sold in tubs of different sizes.



Complete the following table to show the given data.

Size of tub	Amount of ice cream	Price
Small		
Medium		
Large		

- (a) Mrs. Lee bought 2 small tubs of ice cream. How much did she spend?
- (b) How much cheaper is it to buy 1 large tub of ice cream than to buy 2 small tubs?
- (c) Mrs. Gray bought a large tub and two medium-sized tubs of ice cream. How much did she spend?

The diagram shows the prices of detergent sold in bottles of different sizes.



Complete the following table to show the given data.

Size of bottle	Amount of detergent	Price
Small		
Medium		
Large		

- (a) Wendy bought 3 medium-sized bottles of detergent. How much did she spend?
- (b) Mr. Dunn bought 2 small bottles of detergent. If he gave the cashier \$20, how much change did he receive?
- (c) Mary bought 1 large bottle of detergent. Emily bought 2 medium-sized bottles of detergent.

Who spent more on detergent?

How much more?

5 boys collected some stamps.

Pablo collected 45 Singapore stamps and 20 U.S. stamps. Justin collected 38 Singapore stamps and 15 U.S. stamps. Damon collected 65 Singapore stamps and 52 U.S. stamps. John collected 50 Singapore stamps and 60 U.S. stamps. Jordan collected 22 Singapore stamps and 53 U.S. stamps.

Complete the following table to show the given data.

Name	Number of	stamps
Name	Singapore	U.S.
Pablo		
Justin		
Damon		
John		
Jordan		
Total:		

(a)	How many stamps did the five boys colle	ct altogether?

(b) How many more Singapore stamps than U.S. stamps did they collect? The following table shows the number of apple pies and chicken pot pies sold by Marcus in a week.

Each apple pie was sold for \$2 and each chicken pot pie was sold for \$3.

Complete the table by filling in the total number of apple pies and chicken pot pies sold.

Day	Number of apple pies sold	Number of chicken pot pies sold
Monday	25	34
Tuesday	23	27
Wednesday	24	38
Thursday	30	45
Friday	22	41
Saturday	48	63
Sunday	65	50
Total:		

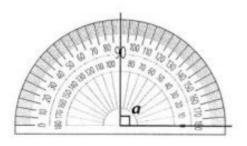
(a)	How many pies	did	Marcus sell	altogether?	

(b)	On which	day did	he sell	the greatest	number	of	pies?
-----	----------	---------	---------	--------------	--------	----	-------

(c) On which day did he collect the greatest amount of money from the sale of the two types of pies?

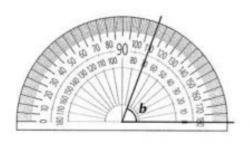
(d) How much money did he collect from the sale of the pies for the whole week?

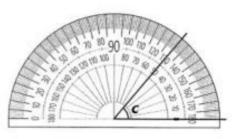
1. What is the size of each angle in degrees?



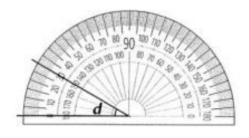
 $\angle a$  is a right angle. It is 90°.

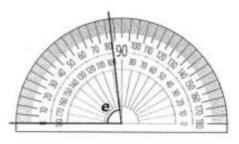
The following angles are smaller than 90°.





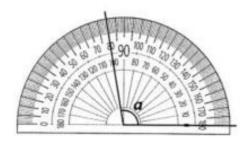
$$\angle c =$$



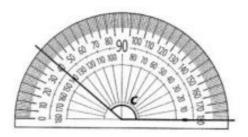


$$\angle d =$$

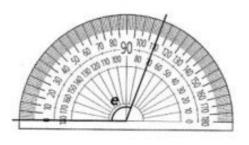
### 2. What is the size of each angle in degrees?



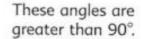
 $\angle a =$ 

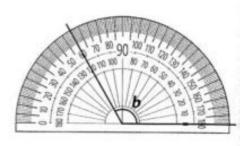


 $\angle c =$ 

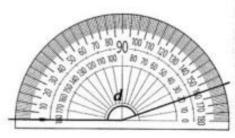


 $\angle e =$ 

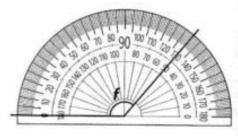




 $\angle b =$ 

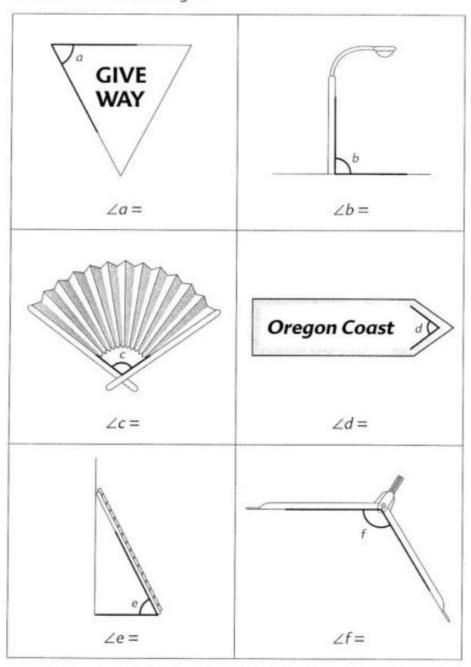


$$\angle d =$$

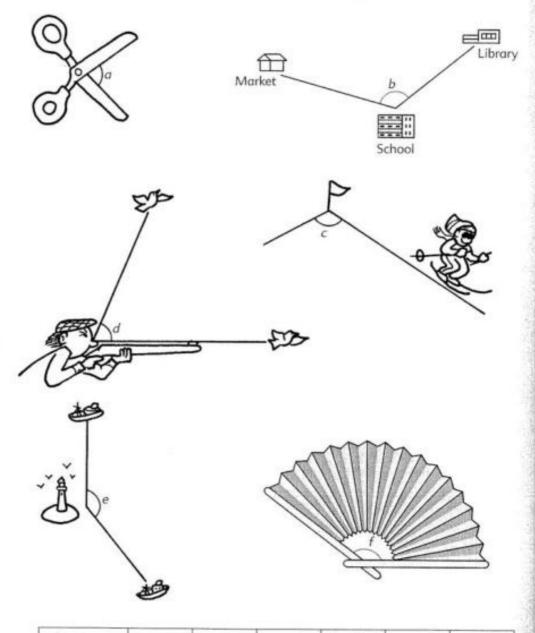


$$\angle f =$$

1. Measure the marked angles.

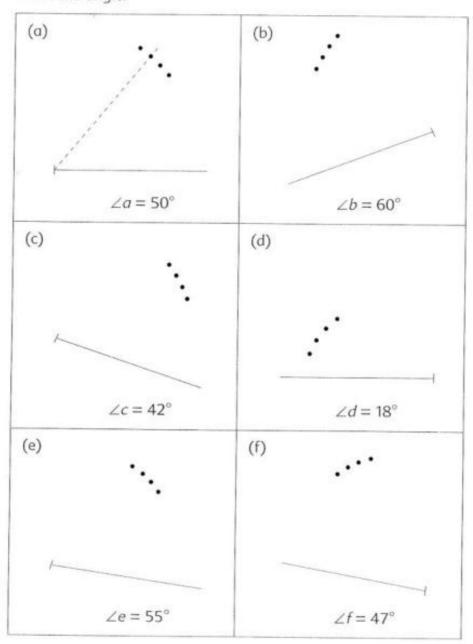


# 2. Estimate and then measure the marked angles.

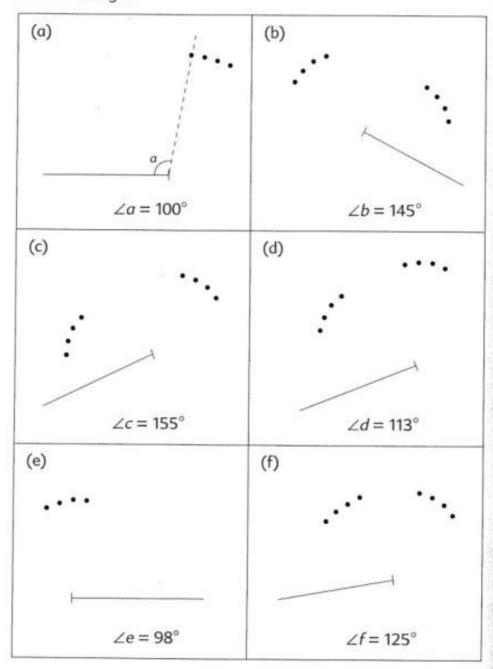


Angles	а	ь	С	d	e	f
Estimate		1				
Measure						

 Join the marked end point of each line to the correct dot to get the required angle. (Use a protractor to help you choose the correct dot.)
 Mark the angle.



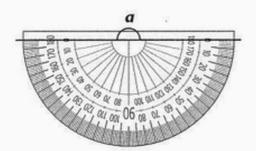
 Join the marked end point of each line to the correct dot to get the required angle. (Use a protractor to help you choose the correct dot.)
 Mark the angle.



5. Draw an angle equal to 55°.

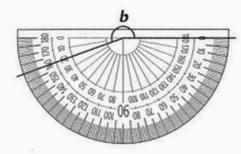
6. Draw an angle equal to 130°.

What is the size of each marked angle?



∠a is 180°.

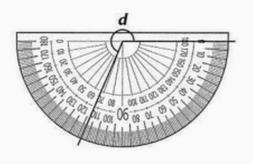
The following angles are greater than 180°.



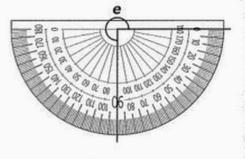
$$\angle b = 360^{\circ} -$$



$$\angle c = 360^{\circ} -$$

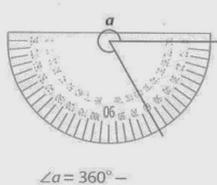


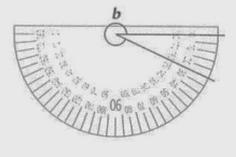
$$\angle d = 360^{\circ} -$$



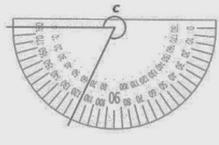
$$\angle e = 360^{\circ} -$$

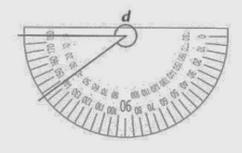
#### 2. What is the size of each marked angle?



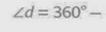


$$a = 360^{\circ} \angle b = 360^{\circ} =$$

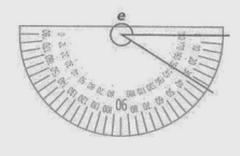


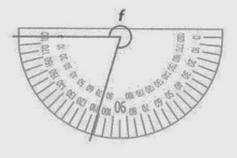






=



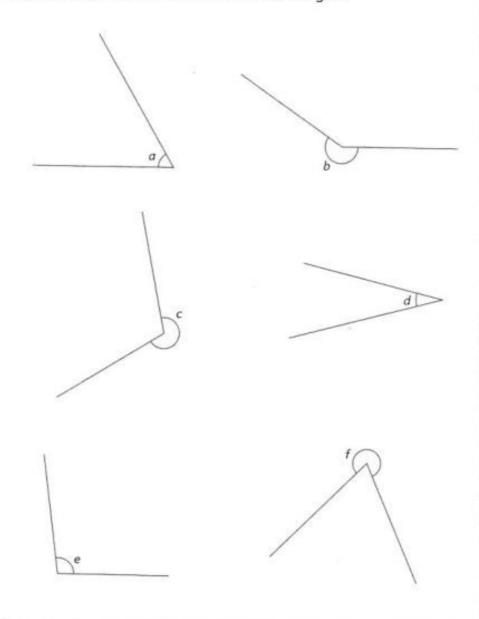


$$\angle e = 360^{\circ} -$$

$$Zf = 360^{\circ} -$$

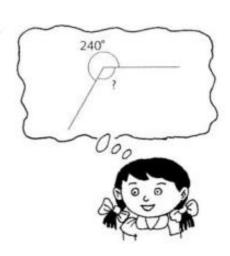
100

# 3. Estimate and then measure the marked angles.

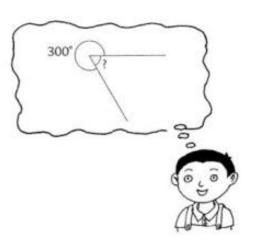


Angles	а	ь	с	d	e	f
Estimate						
Measure						

4. Draw an angle equal to 240°.

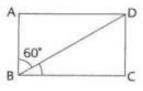


5. Draw an angle equal to 300°.



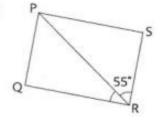
 Find the unknown marked angle in each of the following rectangles.





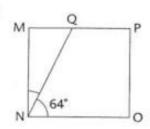
∠CBD =

(b)



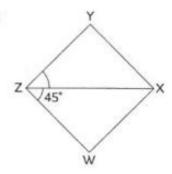
∠PRQ =

(c)



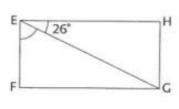
 $\angle MNQ =$ 

(d)

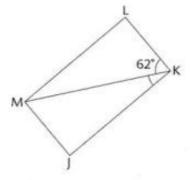


ZXZY =

(e)



(f)



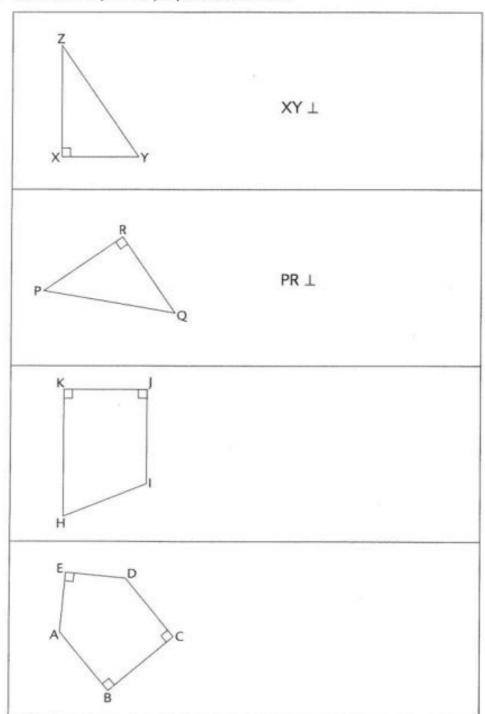
∠FEG =

$$\angle$$
JKM =

1. Check ( ) the correct answer for each pair of lines.

The lines are not perpendicular.	The lines are perpendicular.

# 2. Name each pair of perpendicular lines.



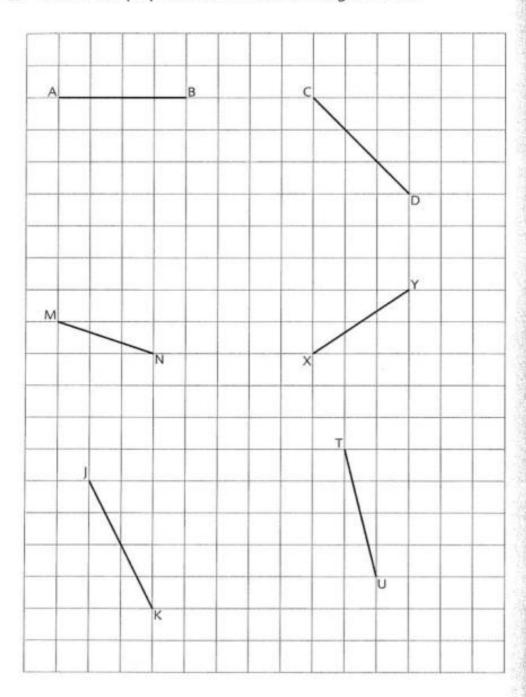
- 1. Using a set-square and a ruler, draw the following:
  - (a) A pair of perpendicular lines

(b) A line perpendicular to the line XY through the point P

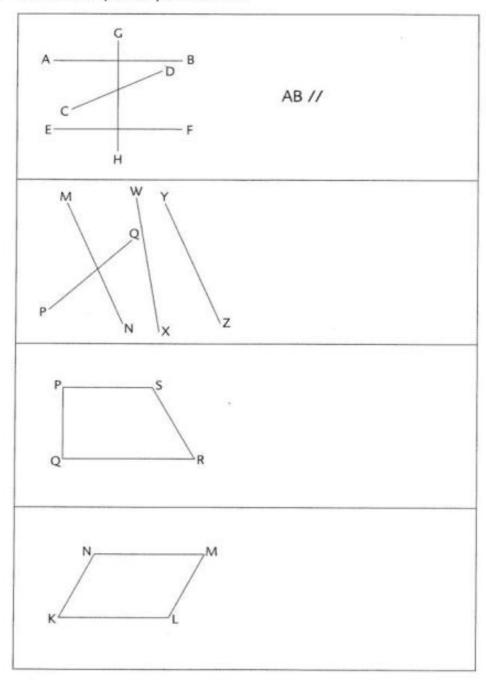
. P



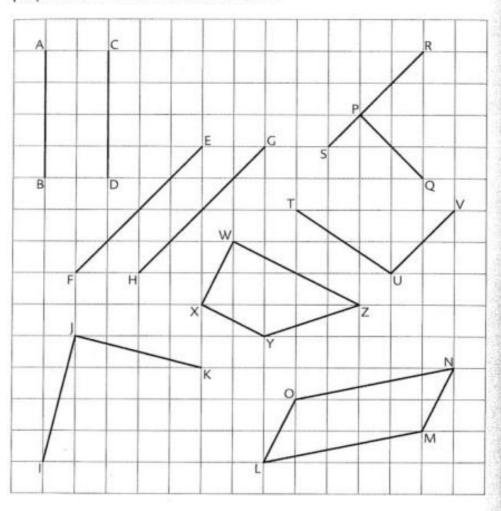
2. Draw a line perpendicular to each of the given lines.



1. Name each pair of parallel lines.



List all the pairs of parallel lines and all the pairs of perpendicular lines in the table below.



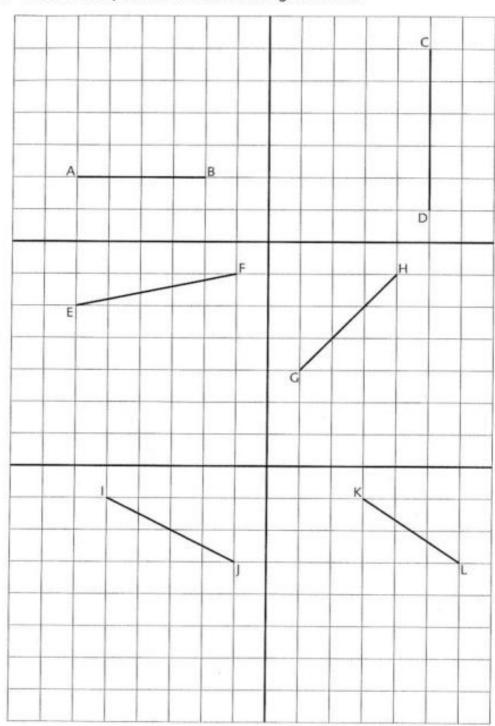
Parallel lines	Perpendicular lines	

Using a set-square and a ruler, draw the following:
 (a) A pair of parallel lines

(b) A line parallel to the line AB through the point S

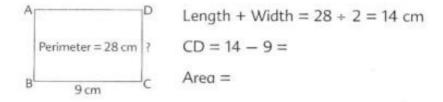
S. B

2. Draw a line parallel to each of the given lines.

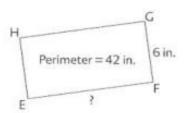


 Find the unknown side and the area of each of the following rectangles.

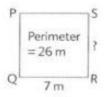
(a)



(b)



(c)



Find the unknown side and the perimeter of each of the following rectangles.

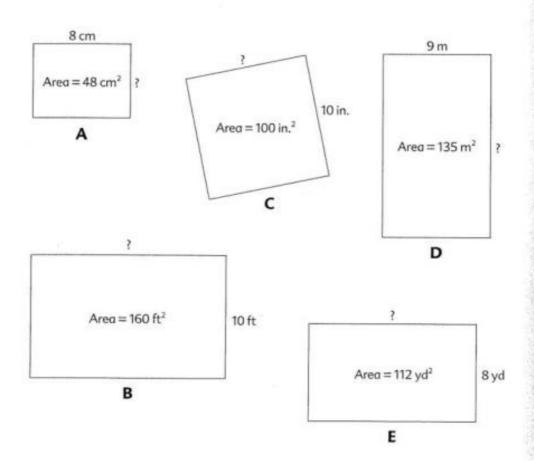
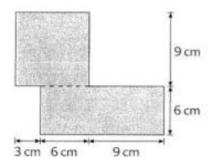


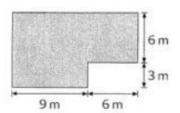
Figure	Area	Length	Width	Perimeter
Α	48 cm <sup>2</sup>	8 cm		
В	160 ft <sup>2</sup>		10 ft	
С	100 in. <sup>2</sup>	10 in.		
D	135 m²		9 m	
E	112 yd²		8 yd	

 Find the perimeter of each of the following figures. (All lines meet at right angles.)

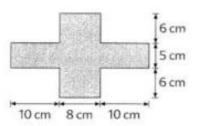
(a)



(b)

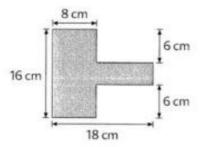


(c)

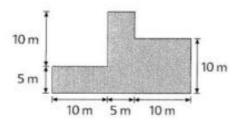


Find the perimeter of each of the following figures. (All lines meet at right angles.)

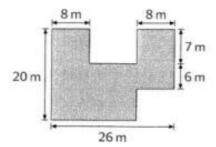
(a)



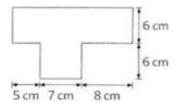
(b)



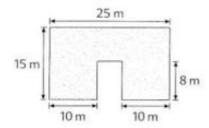
(c)



- Find the area of each of the following figures. (All lines meet at right angles.)
  - (a)



(b)

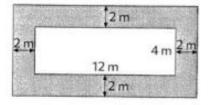


7 m 12 m 10 m 25 m

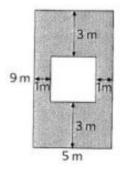
 Each of the following figures shows a small rectangle in a big rectangle.

Find the area of the shaded part of each figure.

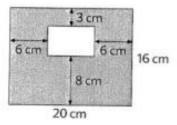
(a)



(b)



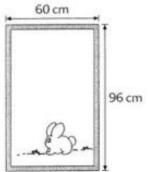
(c)



2. A rectangular swimming pool measures 20 m by 12 m. A concrete path 1 m wide is paved around it. What is the area of the path?



3. A rectangular towel measures 96 cm by 60 cm. It has a border 3 cm wide around it. What is the area of the border?



### **REVIEW 4**

Write the answers in the boxes.

- 1. Write each of the following in figures.
  - (a) Five thousand, seven hundred three dollars



(b) Thirty-four thousand, eight hundred sixty-four dollars



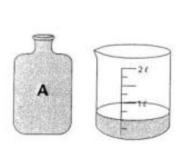
- When 31,768 is written as 31,800, it is rounded off to the nearest
- 3. The digit **3** in 96,**3**48 stands for 3 ×
- 4. Which one of the following is equal to  $4\frac{3}{5}$ ?

$$\frac{7}{5}$$
,  $\frac{12}{5}$ ,  $\frac{23}{5}$ ,  $\frac{43}{5}$ 

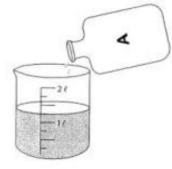


5. What is the capacity of Bottle A?



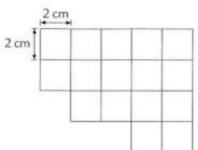






6. Find the perimeter of a square of side 6 cm.

The figure is made up of 16 squares each of side 2 cm. Find its area.

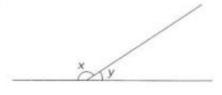


8. The table shows the points scored by 5 students in a test.

Name	Points	
Dani	80	
Pablo	60	
Peter	70	
Mary	90	
Morgan	40	

- (a) Who scored 30 points more than Pablo?
- (b) Who scored twice as many points as Morgan?
- 9. In each of the following figures, measure  $\angle x$  and  $\angle y$ .

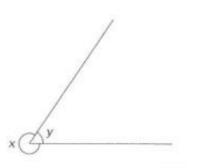
(a)



 $\angle x =$ 

∠*y* =

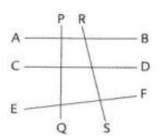
(b)

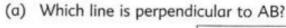


 $\angle x =$ 

 $\angle y =$ 

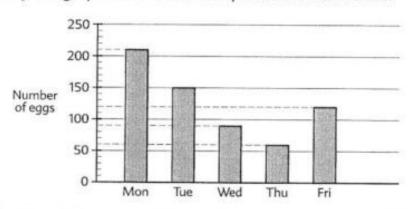
10.







The graph shows the number of eggs Wendy sold in 5 days. 11. Study the graph and answer the questions which follow.



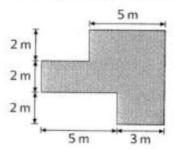
(a) On which day was the smallest number of eggs sold?

(b) How many eggs did she sell altogether?

The area of a square is 64 cm<sup>2</sup>. Find the length of a side of the 12. square.

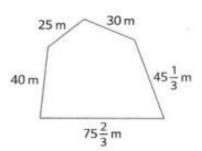
13.

Find the perimeter of the figure. (All lines meet at right angles.)



14. A ribbon 1080 in. long is cut into two pieces. The length of one piece is two times the length of the other. What is the length of the shorter piece?

15. Nicky walked round this pond once. How many meters did he walk?



A rectangle and a square have the same area.
 If the rectangle measures 9 cm by 4 cm, find the length of each side of the square.

 A rectangular piece of carpet is placed on the floor of a rectangular room leaving a margin of 1 m around it.
 If the room measures 8 m by 6 m, find the area of the room not covered by the carpet.

