



Final Exam Revision Sheet



Circle the bonds

Put a circle around all the pairs of numbers that total 1.

0.2	0.4	0.6	0.7	0	0.9
0.9	0.8	0.3	0.5	0.1	1
0.1	0	0.6	0.5	0.4	0.7
0.3	0.4	1	0.8	0.6	0.3
0.1	0.7	0.5	0.9	0.2	0.4
0.9	0.5	0.1	0.7	0	1

Fill in the missing numbers to make 1.

1) $0.3 + \underline{0.7} = 1$

2) $0.6 + \underline{0.4} = 1$

3) $1 - 0.4 = \underline{0.6}$

4) $0.7 + \underline{0.3} = 1$

5) $0.1 + \underline{0.9} = 1$

6) $1 - 0.7 = \underline{0.3}$

7) $\underline{0.4} + 0.2 = 1$

8) $\underline{0.2} + 0.8 = 1$

9) $1 - \underline{0.9} = 0.1$

10) $\underline{0.5} + 0.5 = 1$

11) $\underline{0.6} + 0.4 = 1$

12) $1 - \underline{0.4} = 0.6$

$$\begin{array}{r}
 0.88 \\
 + 0.12 \\
 \hline
 1.00
 \end{array}$$

Fill in the missing numbers in the table so that the columns add up to 1.

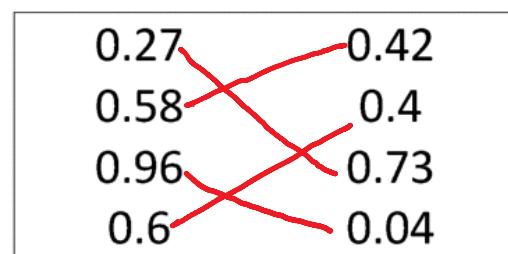
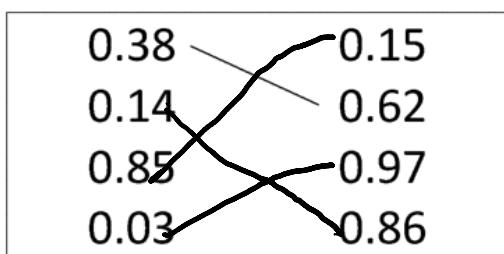
0.32	0.57	0.74	0.06	0.63	0.41	0.93	0.88	0.37
0.68	0.43	0.26	0.94	0.37	0.59	0.07	0.12	0.63

Fill in the missing numbers to make 1.

- | | | |
|-----------------------|-----------------------|-----------------------|
| 1) $0.34 + 0.66 = 1$ | 2) $0.61 + 0.39 = 1$ | 3) $1 - 0.45 = 0.55$ |
| 4) $0.72 + 0.28 = 1$ | 5) $0.04 + 0.96 = 1$ | 6) $1 - 0.73 = 0.27$ |
| 7) $0.8 + 0.2 = 1$ | 8) $0.11 + 0.89 = 1$ | 9) $1 - 0.08 = 0.92$ |
| 10) $0.44 + 0.56 = 1$ | 11) $0.52 + 0.48 = 1$ | 12) $1 - 0.94 = 0.06$ |

Join the bonds

Join up the number bonds that add up to make 1.



Work out the missing numbers in these decimal additions.

1)
$$\begin{array}{r} 3 \ 2 \ . \ 1 \\ + 1 \ 4 \ . \ 8 \\ \hline 4 \ 6 \ . \ 9 \end{array}$$

2)
$$\begin{array}{r} 5 \ 1 \ . \ 3 \ 1 \\ + 1 \ 4 \ . \ 2 \ 7 \\ \hline 6 \ 5 \ . \ 5 \ 8 \end{array}$$

3)
$$\begin{array}{r} 6 \ 4 \ 4 \ . \ 2 \\ + 2 \ 2 \ 3 \ . \ 6 \\ \hline 8 \ 6 \ 7 \ . \ 8 \end{array}$$

4)
$$\begin{array}{r} 4 \ 6 \ . \ 8 \\ + 1 \ 1 \ . \ 3 \\ \hline 5 \ 8 \ . \ 1 \end{array}$$

5)
$$\begin{array}{r} 6 \ 2 \ . \ 4 \ 0 \\ + 2 \ 3 \ . \ 7 \ 7 \\ \hline 8 \ 6 \ . \ 1 \ 7 \end{array}$$

6)
$$\begin{array}{r} 3 \ 7 \ 1 \ . \ 2 \\ + 2 \ 5 \ 3 \ . \ 7 \\ \hline 6 \ 2 \ 4 \ . \ 9 \end{array}$$

7)
$$\begin{array}{r} 2 \ 0 \ . \ 0 \\ + 1 \ 7 \ . \ 3 \\ \hline 3 \ 7 \ . \ 3 \end{array}$$

8)
$$\begin{array}{r} 7 \ 1 \ . \ 3 \ 5 \\ + 5 \ 7 \ . \ 1 \ 6 \\ \hline 1 \ 2 \ 8 \ . \ 5 \ 1 \end{array}$$

9)
$$\begin{array}{r} 8 \ 4 \ 6 \ . \ 5 \\ + 3 \ 0 \ 1 \ . \ 8 \\ \hline 1 \ 1 \ 4 \ 8 \ . \ 3 \end{array}$$

10)
$$\begin{array}{r} 5 \ 1 \ . \ 3 \\ + 7 \ 5 \ . \ 9 \\ \hline 1 \ 2 \ 7 \ . \ 2 \end{array}$$

11)
$$\begin{array}{r} 7 \ 7 \ . \ 4 \ 2 \\ + 3 \ 8 \ . \ 3 \ 6 \\ \hline 1 \ 1 \ 5 \ . \ 7 \ 8 \end{array}$$

12)
$$\begin{array}{r} 9 \ 2 \ 7 \ . \ 1 \\ + 6 \ 5 \ 4 \ . \ 5 \\ \hline 1 \ 5 \ 8 \ 1 \ . \ 6 \end{array}$$

13)
$$\begin{array}{r} 4 \ 1 \ . \ 4 \\ + 2 \ 5 \ . \ 1 \\ + 5 \ 2 \ . \ 7 \\ \hline 1 \ 1 \ 9 \ . \ 2 \end{array}$$

14)
$$\begin{array}{r} 4 \ 3 \ . \ 7 \ 2 \\ + 3 \ 7 \ . \ 0 \ 6 \\ + 6 \ 2 \ . \ 3 \ 0 \\ \hline 1 \ 4 \ 3 \ . \ 0 \ 8 \end{array}$$

15)
$$\begin{array}{r} 2 \ 0 \ 5 \ . \ 7 \\ + 5 \ 4 \ 7 \ . \ 2 \\ + 7 \ 1 \ 2 \ . \ 8 \\ \hline 1 \ 4 \ 6 \ 5 \ . \ 7 \end{array}$$

Read and answer each question:

During a normal day, there are **280** planes taking off from the airport, but the airport is a lot busier during Christmas. During the Christmas holidays, about **336** planes take off every day from the airport.

- 1. During the Christmas holidays, the airport opens 12 hours during each day, how many planes take off from this airport in each hour?**

..... **$336 \div 12 = 28$** / 28 planes take off from this airport each hour during the Christmas holidays.

- 2. In average, each plane takes 240 passengers and 12 tons of cargo. How many passengers depart from the airport every hour during the Christmas holidays?**

... **$28 \times 240 = 6,720$** / 6,720 passengers depart from the airport every hour.

- 3. Compared with a normal day, how many more passengers depart from the airport in a day during the Christmas holidays?**

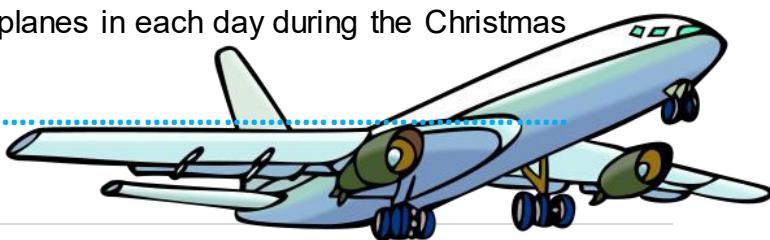
...(**$336 - 280$**) **$\times 240 = 13,440$**

13,440 more passengers depart from the airport in a day during the Christmas holidays.

- 4. During a normal day, there are 782 passengers in average that are late for their plane each day. However, during the Christmas holidays, there are 1,835 passengers that are late for their planes each day which caused delays of 14 planes. How many more passengers are late for their planes in each day during the Christmas holidays?**

..... **$1,835 - 782 = 1,053$** passengers

1,053 more passengers are late for their planes in each day during the Christmas holidays



Read and answer each question:

Ashley is making cookies for her office's party.

- 1. Each batch of cookie mix needs 0.4 cups of sugar, and each batch can make 16 cookies. If Ashley is making 4 batches of cookies, how much sugar does she need?**

0.4 × 4 = 1.6 She needs **1.6 cups** of sugar

- 2. Ashley found 2 boxes of sugar in the kitchen. The green box is 1.26 kg and the red box is 1.026 kg. Which box contains more sugar?**

..... 1.26 > 1.026 The **green** box contains more sugar

- 3. Ashley measured 1.43 cups of sugar. How much more sugar does she need?**

1.6 – 1.43 = 0.17 She needs **0.17** of a cup more sugar.

- 4. She has 3 bags of flour. She has two smaller bags with 0.75 kg of flour each and a bigger bag which has 1.14 kg. How much flour does she have in total?**

0.75 + 0.75 + 1.14 = 2.64 She has **2.64 kg** of flour in total.

- 5. After she finished making the cookies, Ashley had 0.945 kg of flour left. How much flour did she use?**

..... 2.64 – 0.945 = 1.695 She used **1.695 kg** of flour.

- 6. Each batch of cookies is 8.9 g. What is the weight of 2.5 batches of cookies?**



..... 8.9 × 2.5 = 22.25 The weight of 2.5 batches of cookies is **22.25 g**.



Multiply:

$$1) \begin{array}{r} 52 \\ \times 35 \\ \hline 260 \\ + 1560 \\ \hline 1820 \end{array}$$

$$2) \begin{array}{r} 61 \\ \times 27 \\ \hline 427 \\ + 1220 \\ \hline 1647 \end{array}$$

$$3) \begin{array}{r} 28 \\ \times 56 \\ \hline 168 \\ + 1400 \\ \hline 1568 \end{array}$$

$$4) \begin{array}{r} 72 \\ \times 17 \\ \hline 1224 \end{array}$$

$$5) \begin{array}{r} 57 \\ \times 35 \\ \hline 1995 \end{array}$$

$$6) \begin{array}{r} 48 \\ \times 26 \\ \hline 1248 \end{array}$$

$$7) \begin{array}{r} 93 \\ \times 14 \\ \hline 1302 \end{array}$$

$$8) \begin{array}{r} 53 \\ \times 46 \\ \hline 2438 \end{array}$$

$$9) \begin{array}{r} 82 \\ \times 35 \\ \hline 2870 \end{array}$$

$$10) \begin{array}{r} 49 \\ \times 17 \\ \hline 833 \end{array}$$

$$11) \begin{array}{r} 64 \\ \times 47 \\ \hline 3008 \end{array}$$

$$12) \begin{array}{r} 39 \\ \times 66 \\ \hline 2574 \end{array}$$

Divide these 3 digit numbers by a single digit.

$$1) \quad 6 \overline{)1\ 3\ 5} \quad \begin{array}{r} 22 \\ \text{r}_3 \end{array}$$

$\begin{array}{r} 1\ 3\ 5 \\ -1\ 2 \\ \hline 1\ 5 \\ -1\ 2 \\ \hline r\ 3 \end{array}$

$$2) \quad 8 \overline{)2\ 7\ 3} \quad \begin{array}{r} 34 \\ \text{r}_1 \end{array}$$

$\begin{array}{r} 2\ 7\ 3 \\ -2\ 4 \\ \hline 3\ 3 \\ -3\ 2 \\ \hline \end{array}$

$$3) \quad 4 \overline{)5\ 2\ 9} \quad \begin{array}{r} 132 \\ \text{r}_1 \end{array}$$

$$4) \quad 9 \overline{)4\ 5\ 6} \quad \begin{array}{r} 50 \\ \text{r}_6 \end{array}$$

$\begin{array}{r} 4\ 5\ 6 \\ -4\ 5 \\ \hline r\ 6 \end{array}$

$$5) \quad 7 \overline{)3\ 0\ 7} \quad \begin{array}{r} 43 \\ \text{r}_6 \end{array}$$

$\begin{array}{r} 3\ 0\ 7 \\ -2\ 8 \\ \hline 2\ 7 \\ -2\ 1 \\ \hline r\ 6 \end{array}$

$$6) \quad 3 \overline{)9\ 8\ 5} \quad \begin{array}{r} 328 \\ \text{r}_1 \end{array}$$

$$7) \quad 8 \overline{)5\ 1\ 2} \quad \begin{array}{r} 64 \\ \text{r}_2 \end{array}$$

$$8) \quad 9 \overline{)3\ 7\ 1} \quad \begin{array}{r} 41 \\ \text{r}_2 \end{array}$$

$$9) \quad 5 \overline{)7\ 8\ 9} \quad \begin{array}{r} 157 \\ \text{r}_4 \end{array}$$

$$10) \quad 7 \overline{)4\ 7\ 8} \quad \begin{array}{r} 68 \\ \text{r}_2 \end{array}$$

$$11) \quad 3 \overline{)6\ 7\ 4} \quad \begin{array}{r} 224 \\ \text{r}_2 \end{array}$$

$$12) \quad 9 \overline{)7\ 0\ 2} \quad \begin{array}{r} 78 \\ \text{r}_2 \end{array}$$

$$1) \quad \begin{array}{r} 68.8 \\ 2 \overline{)137.6} \\ -12 \\ \hline 17 \\ -16 \\ \hline 16 \\ -16 \\ \hline 00 \end{array}$$

$$2) \quad \begin{array}{r} 192.8 \\ 3 \overline{)578.4} \\ -3 \\ \hline 27 \\ -27 \\ \hline 8 \\ -6 \\ \hline 24 \end{array}$$

$$3) \quad \begin{array}{r} 120.7 \\ 6 \overline{)724.2} \\ -6 \\ \hline 12 \\ -12 \\ \hline 00 \\ \cancel{42} \\ -\cancel{42} \\ \hline 00 \end{array}$$

$$4) \quad \begin{array}{r} 43.7 \\ 5 \overline{)218.5} \end{array}$$

$$5) \quad \begin{array}{r} 134.6 \\ 4 \overline{)538.4} \end{array}$$

$$6) \quad \begin{array}{r} 281.2 \\ 3 \overline{)843.6} \end{array}$$

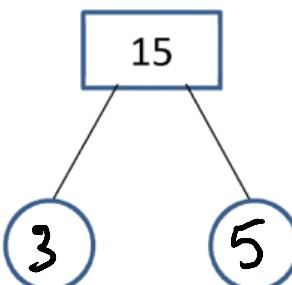
$$7) \quad \begin{array}{r} 62.5 \\ 9 \overline{)562.5} \end{array}$$

$$8) \quad \begin{array}{r} 44.55 \\ 6 \overline{)267.3} \end{array}$$

$$9) \quad \begin{array}{r} 45.3 \\ 8 \overline{)362.4} \end{array}$$

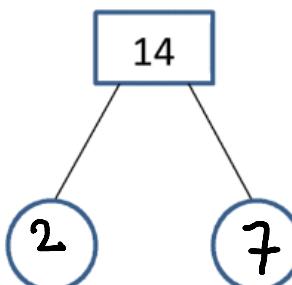
Fill in the missing numbers in these prime factor trees with prime factors in the circles. Then complete the prime factorization product underneath.

1)



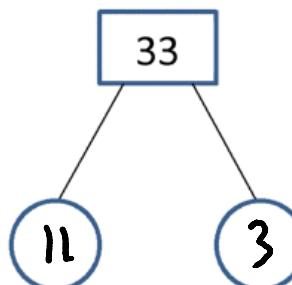
$$15 = \underline{3} \times \underline{5}$$

2)



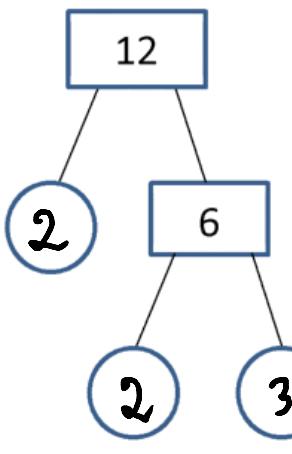
$$14 = \underline{2} \times \underline{7}$$

3)



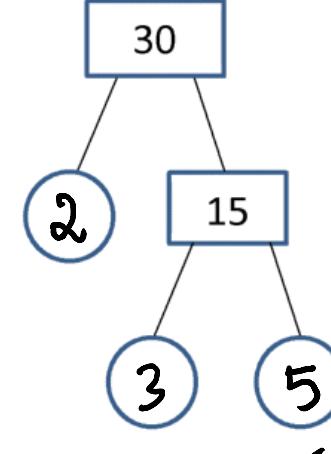
$$33 = \underline{11} \times \underline{3}$$

4)



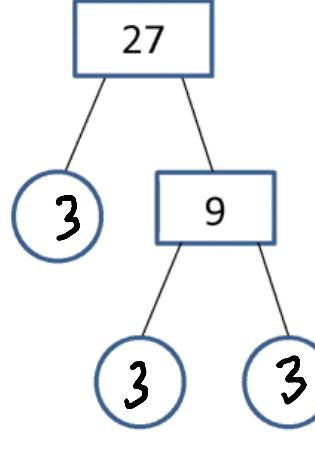
$$12 = \underline{2} \times \underline{2} \times \underline{3}$$

5)



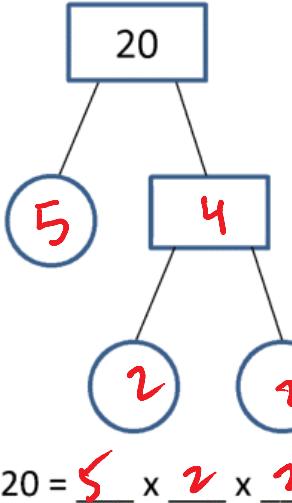
$$30 = \underline{2} \times \underline{3} \times \underline{5}$$

6)



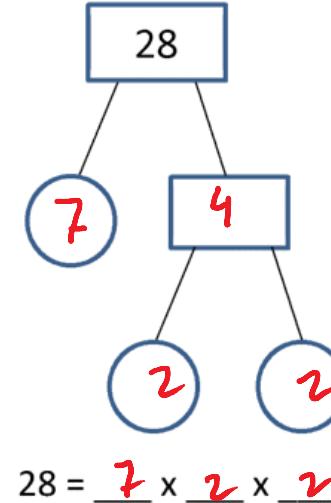
$$27 = \underline{3} \times \underline{3} \times \underline{3}$$

7)



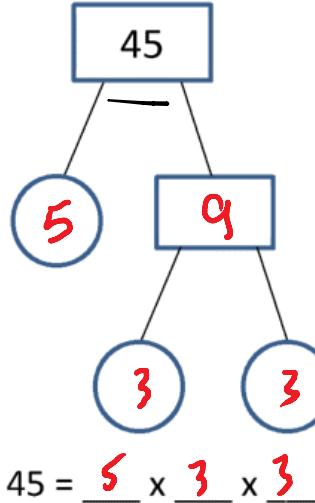
$$20 = \underline{5} \times \underline{2} \times \underline{2}$$

8)



$$28 = \underline{7} \times \underline{2} \times \underline{2}$$

9)



$$45 = \underline{5} \times \underline{3} \times \underline{3}$$

1) Circle the numbers below which are multiples of 20:

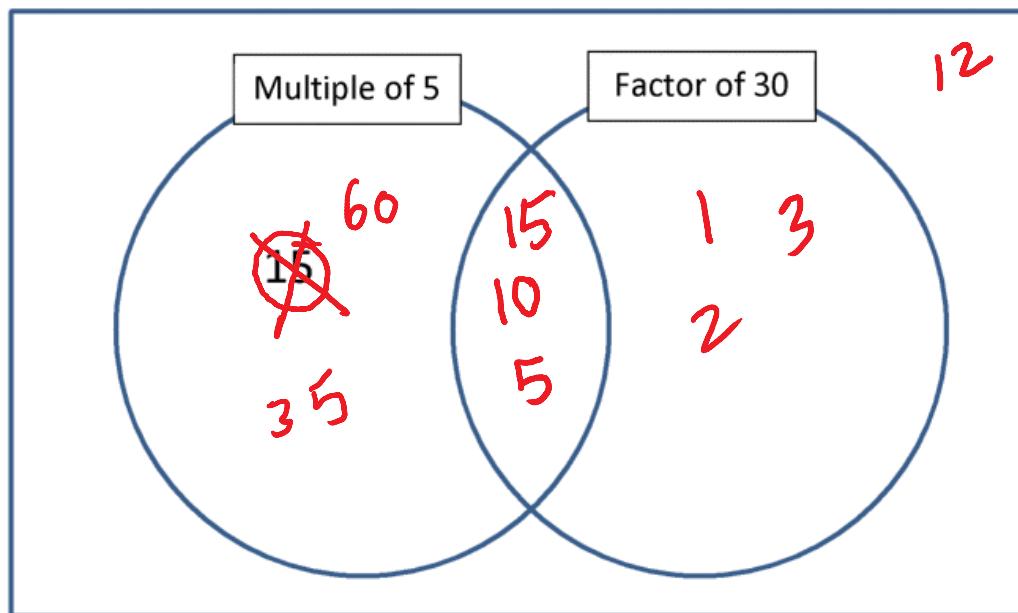
5 100 20 140 150 10

2) Circle the numbers below which are factors of 32:

1 12 8 2 96 16 64

3) Put the numbers in the correct place in the Venn diagram below.

1	10	35	12	2	15	3	60	5
---	----	----	----	---	----	---	----	---



3) Write another number in the venn diagram which is both a multiple of 5 and a factor of 30.

Use the clues to work out the correct number from the 8 possibilities.



CHALLENGE 1

- I am not a prime number.
- One of my factors is 3.
- I am even.
- I am not a multiple of 4.

Who am I? 6

A 18	B 12	C 20	D 15
E 17	F 25	G 6	H 3

CHALLENGE 2

- I am less than 5 squared. $5 \times 5 = 25$
- I am a factor of 30.
- I am a multiple of 5.
- I am odd.

Who am I? 15

$$\begin{array}{r}
 50 \\
 \swarrow \searrow \\
 40 + 10 \\
 20 + 5
 \end{array}$$

Halve the numbers

$\overbrace{444}^{200+40+4} = 222$ $200+20+2$	$264 = 132$ $200 + 60 + 4$ $100 + 30 + 2$	$856 = 428$ $800 + 50 + 6$ $400 + 25 + 3$
$486 = 486 \div 2 =$ 243	$476 = 238$	$904 = 452$ $900 + 4$ $450 + 2$
$428 = 214$	$664 = 332$	$294 = 147$
$476 = 238$	$364 = 182$	$298 = 149$
$456 = 228$	$254 = 127$	$746 = 373$

Double the numbers

$$\begin{array}{r} 0.18 \\ \times 2 \\ \hline 0.36 \end{array}$$

$$5.18 = 10.36$$

$$\begin{array}{r} 5 \\ + 0.18 \\ \hline 10.36 \end{array}$$

$$4.5 = 9$$

$$9.61 = 19.22$$

$$2.7 = 5.4$$

$$8.4 = 16.8$$

$$8.18 = 16.36$$

$$4.3 = 8.6$$

$$3.9 = 7.8$$

$$6.07 = 12.14$$

1

$$\begin{array}{r} 5.54 = 11.08 \\ \times 2 \\ \hline 11.08 \end{array}$$

$$6.2 = 12.4$$

$$9.5 = 19$$

$$1.28 = 2.56$$

$$0.7 = 1.4$$

$$\begin{array}{r} 49.3 = 98.6 \\ \times 2 \\ \hline 98.6 \end{array}$$

BODMAS

Make sure you work out the operations in the right order!

$$1) \ 10 - \underline{5 \times 2} = 0 \quad 11) \ 3 + 9 \times 4 = 39 \quad 21) \ 7 - 36 \div 3 = -5$$

$10 - 10 =$

$$2) \ 20 \div 2 + 3 = 13 \quad 12) \ 12 - 5 \times 3 = -3 \quad 22) \ 14 + 8 \div 2 = 18$$

$10 + 3$

$$3) \ 8 + 2 \times 7 = 22 \quad 13) \ 9 + 10 \div 2 = 14 \quad 23) \ 7 \times (9 - 3) = 42$$

$$4) \ 5 - 6 \times 0 = 5 \quad 14) \ 5 \times 3 \div 2 = 7.5 \quad 24) \ 12 \div 4 \times 6 = 18$$

$$5) \ 3 \times 9 - 7 = 20 \quad 15) \ 14 - 9 \times 3 = -13 \quad 25) \ (8 - 3) \times 5 = 25$$

$$6) \ 5 \times 3 - 7 = 8 \quad 16) \ 6 + 7 \times 5 = 41 \quad 26) \ 4 \times (5 + 8) = 52$$

$$7) \ 6 - 2 \times 5 = -4 \quad 17) \ 6 \times 3 - 9 = 9 \quad 27) \ 25 - 3 \times 9 = -2$$

$$8) \ 24 \div 6 - 5 = -1 \quad 18) \ 3 \times (4 + 2) = 18 \quad 28) \ 14 \times 2 + 7 = 35$$

$$9) \ 2 \times 3 \times 5 = 30 \quad 19) \ (9 - 4) \times 3 = 15 \quad 29) \ 48 \div (2 \times 4) = 6$$

$48 \div 8 =$

$$10) \ 12 \div 4 \div 3 = 1 \quad 20) \ 4 \times 9 - 5 = 31 \quad 30) \ 18 - 6 \times 5 = -12$$

$3 \div 3 =$

Multiplying decimals

19400

$$0.6 \times 3 = \underline{1.8}$$

$$0.2 \times 9 = \underline{1.8}$$

$$3 \times 0.7 = \underline{2.1}$$

$$4 \times 0.8 = \underline{3.2}$$

$$7 \times 0.6 = \underline{4.2}$$

$$5 \times 0.9 = \underline{4.5}$$

$$4 \times 0.4 = \underline{1.6}$$

$$6 \times 0.8 = \underline{4.8}$$

$$0.9 \times 7 = \underline{6.3}$$

$$0.8 \times 8 = \underline{6.4}$$

$$0.5 \times \underline{7} = 3.5$$

$$\underline{0.2} \times 7 = 1.4$$

$$\underline{0.6} \times 3 = 1.8$$

$$0.4 \times \underline{3} = 1.2$$

$$0.7 \times \underline{8} = 5.6$$

$$\underline{8} \times 0.3 = 2.4$$

$$0.2 \times \underline{7} = \underline{1.4}$$

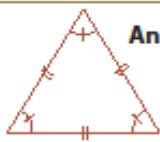
$$\underline{0.2} \times 8 = 4.0$$

$$\underline{0.6} \times 6 = 3.6$$

$$0.7 \times \underline{9} = 6.3$$

0

Identifying Triangles



An equilateral triangle has: 3 equal sides.
3 equal angles (60 degrees).

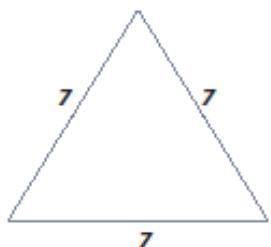


An Isosceles triangle has: 2 equal sides and 1 different side.
2 equal angles and 1 different angle.

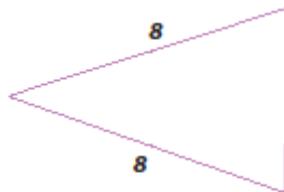


A scalene triangle has: 3 sides unequal in length.
3 unequal angles.

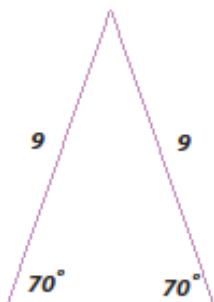
Look at the triangles below. Label each one as an equilateral, isosceles, or scalene triangle.



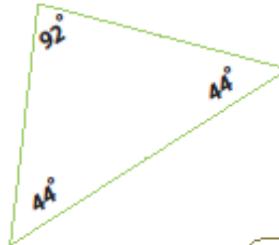
Eq.



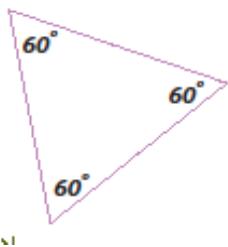
Iso.



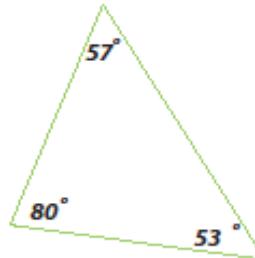
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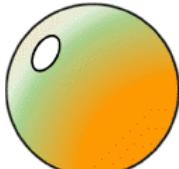
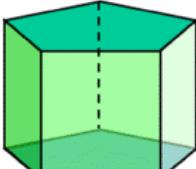
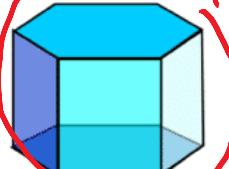
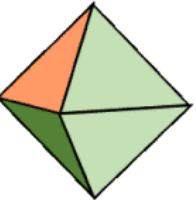
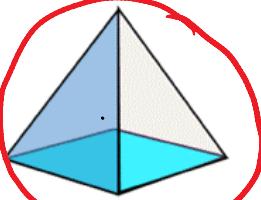
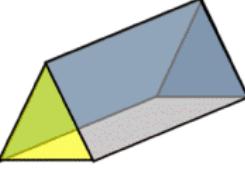
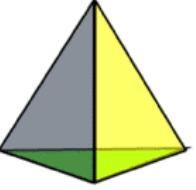
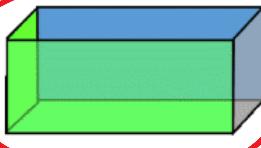
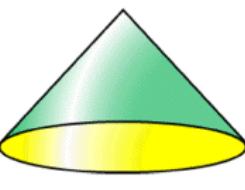
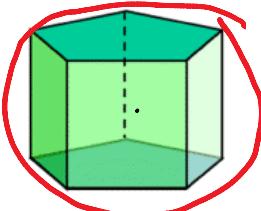
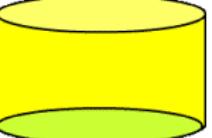
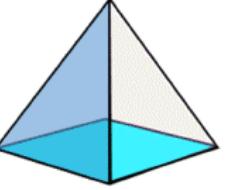
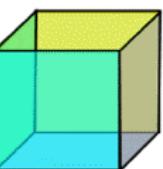
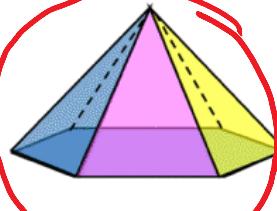
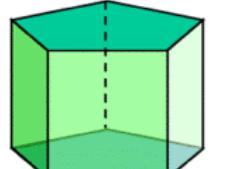


Eq.

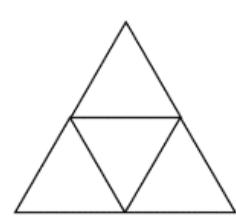
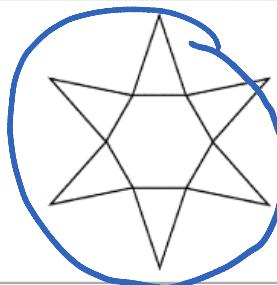
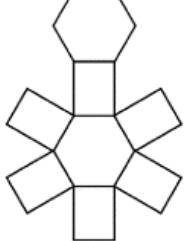
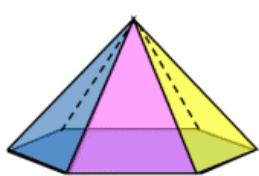
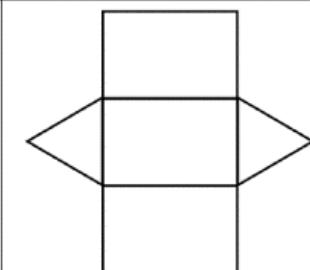
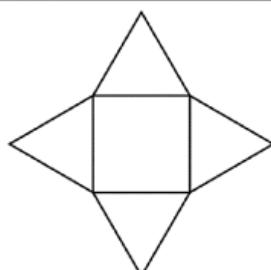
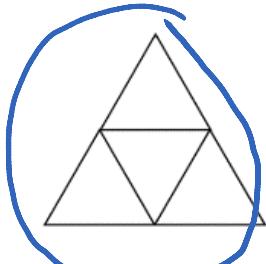
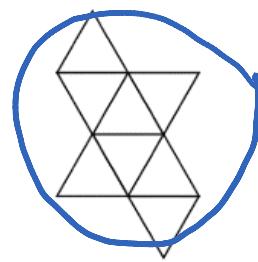
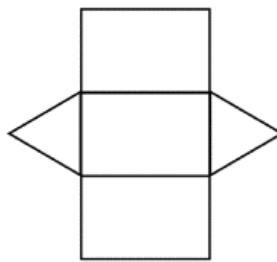
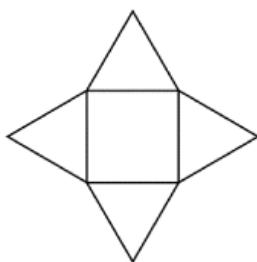
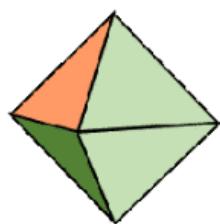
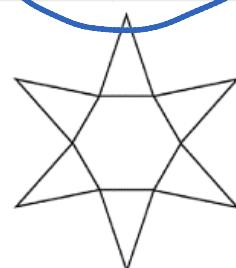
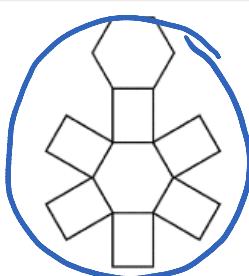
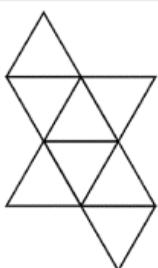
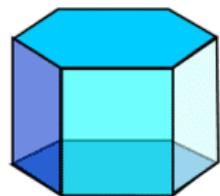
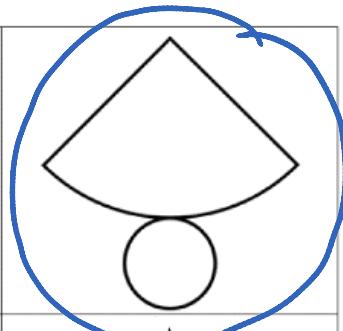
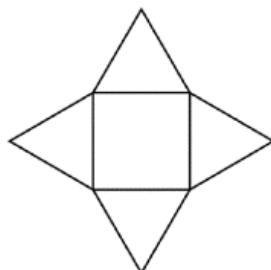
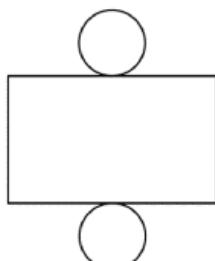
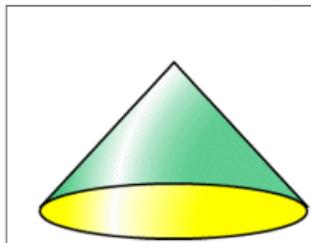


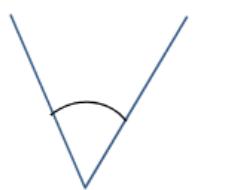
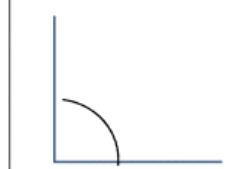
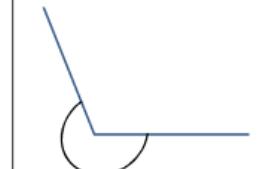
scalene

Find the correct shape from the 3 possibilities.

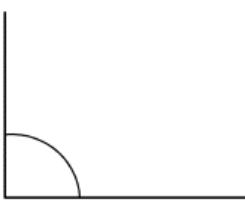
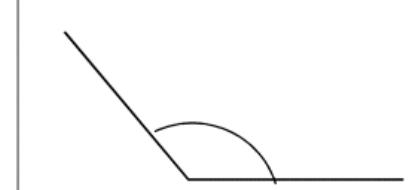
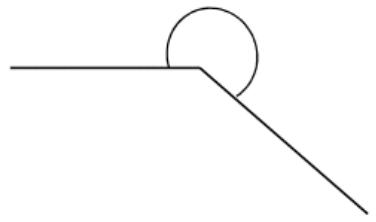
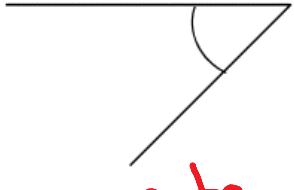
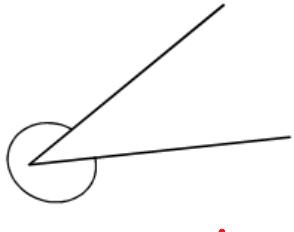
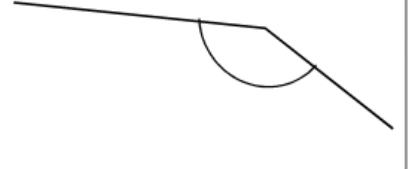
<p>Faces: 8 Edges: 18 Vertices: 12</p>			
<p>Faces: 5 Edges: 8 Vertices: 5</p>			
<p>Faces: 6 Edges: 12 Vertices: 8</p>			
<p>Faces: 7 Edges: 15 Vertices: 10</p>			
<p>Faces: 7 Edges: 12 Vertices: 7</p>			

For each 3d shape, shade the correct net.



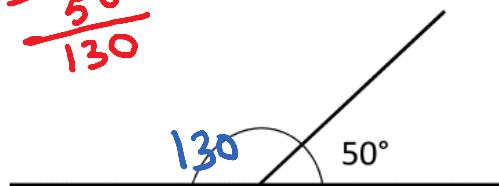
				
Acute $< 90^\circ$	Obtuse $> 90^\circ$	Right $= 90^\circ$	Straight $= 180^\circ$	Reflex $>180^\circ$

For each angle, write down whether it is **right**, **acute**, **obtuse**, **reflex** or **straight**.

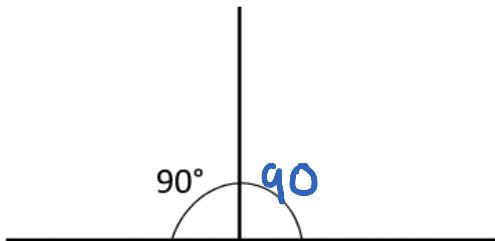
		
Angle: right	Angle: acute	Angle: obtuse
		
Angle: reflex	Angle: right	Angle: acute
		
Angle: straight	Angle: reflex	Angle: obtuse

Work out the missing angles. Remember that the angle in a straight line is equal to 180° . The angles are not drawn to scale, so do not try to measure them!

1) $\begin{array}{r} -180 \\ 50 \\ \hline 130 \end{array}$



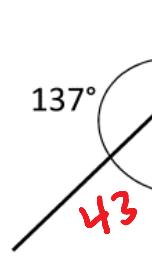
2)



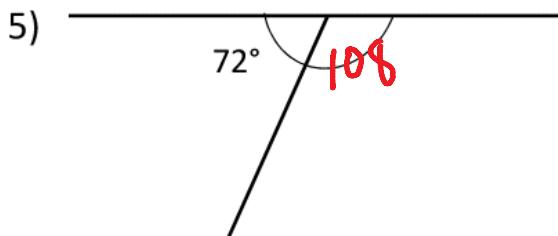
3) $\begin{array}{r} 180 \\ 35 \\ \hline 145 \end{array}$



4)



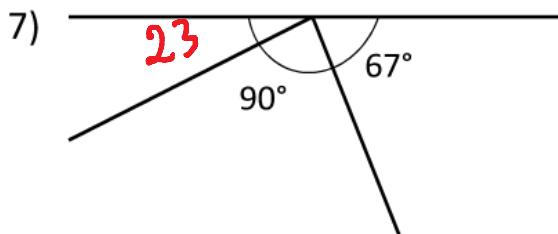
5) 72° 108



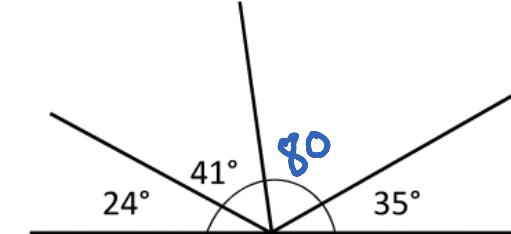
6)



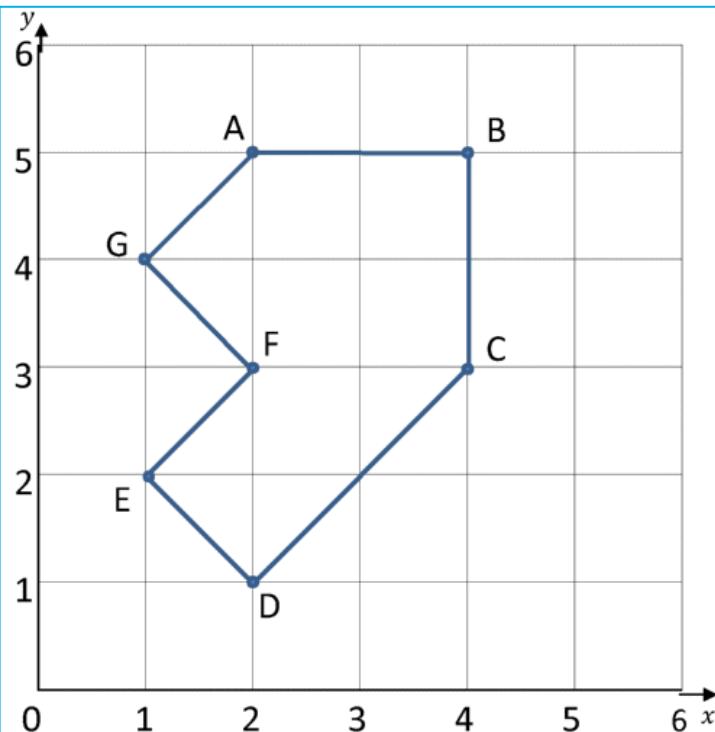
7) 23 90° 67°



8)



$$\begin{array}{r} 1 \\ 41 \\ 24 + \\ 35 \\ \hline 100 \\ 180 - \\ 100 \\ \hline 80 \end{array}$$



1) Write down the coordinates of the points on the first grid.

A (2, 5)

B (4, 5)

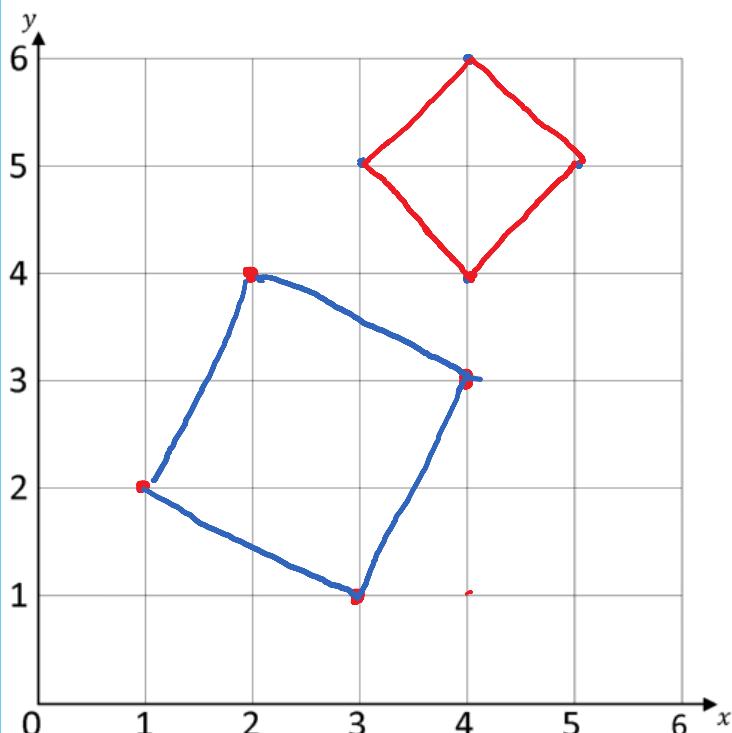
C (4, 3)

D (2, 1)

E (1, 2)

F (2, 3)

G (1, 4)



2) Plot these coordinates on this grid: (1,2) (2,4) (4,3)

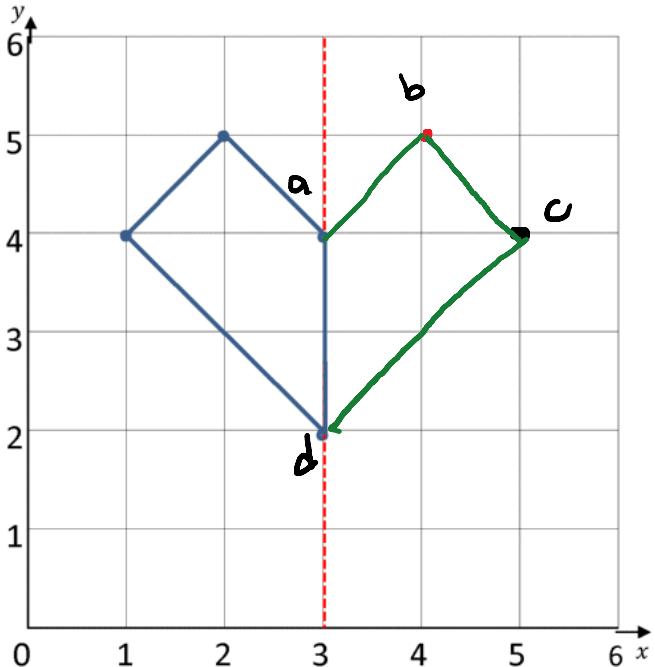
3) Plot the 4th point so that the four coordinates make a square.

What is the coordinate of the 4th point? (3, 1)

4) Plot another square that has no horizontal or vertical lines. What are the 4 coordinates?

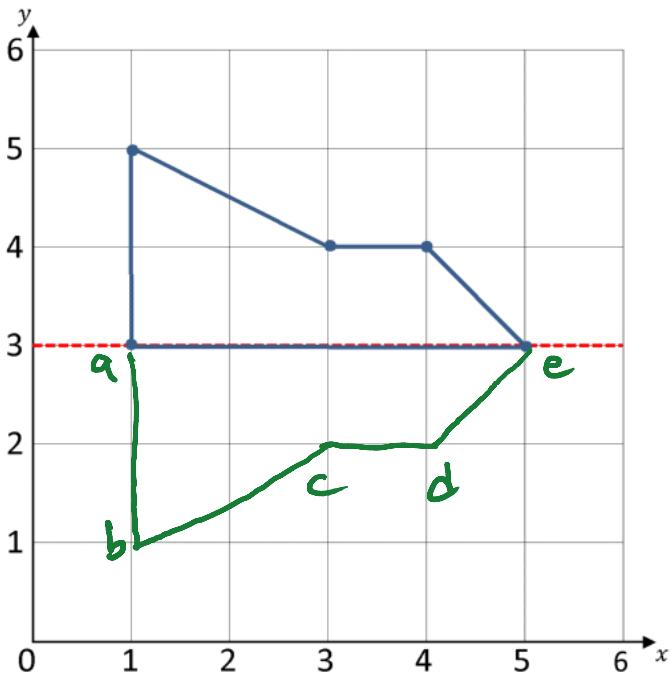
(4, 4) (5, 5)

(4, 6) (3, 5)



1) Reflect this shape in the mirror line and write down the new coordinates.

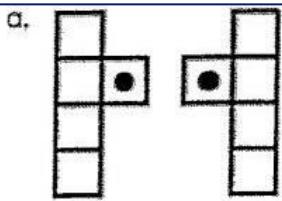
- a (3, 4)
- b (4, 5)
- c (5, 4)
- d (3, 2)



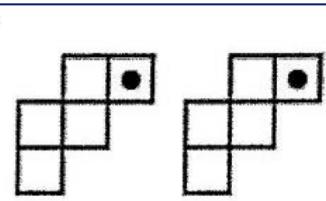
2) Reflect this shape in the mirror line and write down the new coordinates.

- a (1, 3)
- b (1, 1)
- c (3, 2)
- d (4, 2)
- e (5, 3)

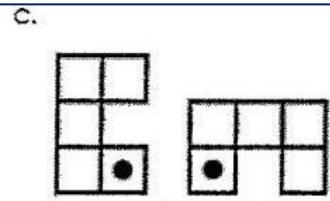
Reflection , Translation Or Rotation



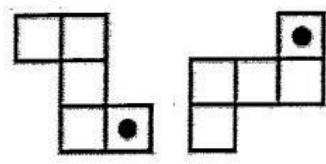
Reflection



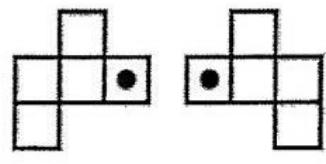
Translation



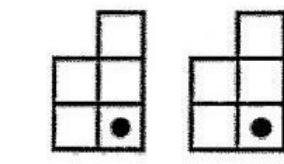
Rotation



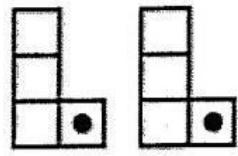
Rotation



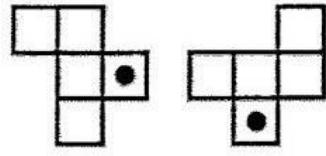
reflection



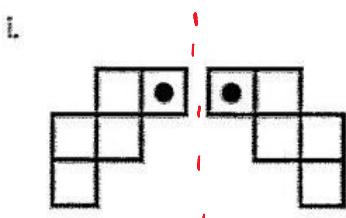
Translation



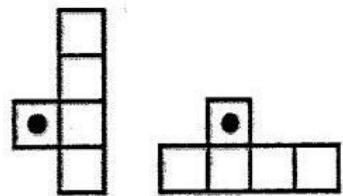
Translation



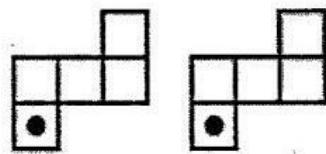
rotation



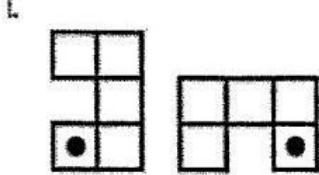
Reflection



Rotation



Translation



Rotation

$$1\text{ km} = \cancel{1000}^{\times} \text{ m}$$

$$1\text{ m} = \cancel{100}^{\times} \text{ cm}$$

$$1\text{ cm} = \cancel{10}^{\times} \text{ mm}$$

Convert to the units shown.

$$1\text{ kg} = \cancel{1000}^{\times} \text{ g}$$

$$1\text{ L} = \cancel{1000}^{\div} \text{ mL}$$

1. $494 \text{ L} = \underline{494000} \text{ mL}$ 2. $2.07 \text{ L} = \underline{2070} \text{ mL}$

3. $7.3 \text{ L} \times 1000 = \underline{7300} \text{ mL}$ 4. $20.6 \text{ L} = \underline{20600} \text{ mL}$

5. $97.6 \text{ L} = \underline{97600} \text{ mL}$ 6. $0.70 \text{ L} = \underline{700} \text{ mL}$

7. $8.3 \text{ L} = \underline{8300} \text{ mL}$ 8. $39.2 \text{ kg} = \underline{39200} \text{ g}$

9. $935 \text{ kg} = \underline{935000} \text{ g}$ 10. $45.8 \text{ L} = \underline{45800} \text{ mL}$

11. $1,667 \text{ mL} = \cancel{1000}^{\div} = \underline{1.667} \text{ L}$ 12. $18,924 \text{ g} = \underline{18.924} \text{ kg}$

13. $39,523 \text{ g} = \underline{39.523} \text{ kg}$ 14. $39,917 \text{ mm} = \underline{3991.7} \text{ cm}$

15. $28,737 \text{ mL} = \underline{28.737} \text{ L}$ 16. $3,234 \text{ mm} = \cancel{10}^{\div} = \underline{323.4} \text{ cm}$

17. $18,941 \text{ g} = \underline{18.941} \text{ kg}$ 18. $21,251 \text{ mm} = \underline{2125.1} \text{ cm}$

19. $5,786 \text{ mL} = \underline{5.786} \text{ L}$ 20. $38,464 \text{ mL} = \underline{38.464} \text{ L}$

$$\begin{array}{r}
 27.00 \\
 0.60 \\
 0.02 \\
 \hline
 27.62
 \end{array}$$

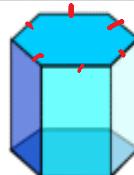
$27 + 0.6 + 0.02$

27.62

$360 \div 4$

90

How many edges?



18

I have a litre bottle of cola. I drink 650ml. How much is left? $\frac{1000}{650} - 350$ ml

Which two numbers have a sum of 15 and a product of 36?

12, 3

Which of these numbers is divisible by 3?

81

76 53 81 94 62

Write down all the factors of 33. 1 3 11 33

Which of these numbers is not a multiple of 3?

81 111 73 27 105

73

In a throwing competition, Ahmed throws 615 cm, Jamal throws $4\frac{1}{2}$ m.

How much further did Ahmed throw? $615 - 450 =$

165

I am divisible by 5 and also by 6, I am less than 50 but greater than 10.

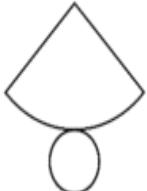
30

Who am I?

At a wildlife center, adult entry is \$12 and child entry is \$8. I pay for 2 adults and 3 children with a \$50 bill. How much change?

2

$2 \times 12 + 3 \times 8 = 24 + 24 = 48 \quad 50 - 48 - 2 \$$

$10 \times (7+6) = 10 \times 13 = 130$	130
1 - 0.92	0.08
Find the value of $(x-6)/3$ if $x=21$. $(21-6) \div 3 = 15 \div 3 =$	5
$10 \times 4 = 26 + 14$	14
$2.5 - 0.7 = 1.8$	0.7
$0.72 + 0.28 = 1$	0.28
What 3d shape is this the net for?	 Cone
How many faces does a triangular prism have?	5

Fill in the missing operations (+, -, x or ÷) to make this correct:

$$5 \text{ } \square \text{ } 6 \text{ } \square \text{ } 3 \text{ } \square \text{ } 2 = 8 \quad 5 \text{ } \square \text{ } 6 \div 3 - 2$$

Halve 5.4 = 2

$$\begin{array}{r} 5 \\ + 0.4 \\ \hline 2.5 \\ + 0.2 \\ \hline \end{array}$$

