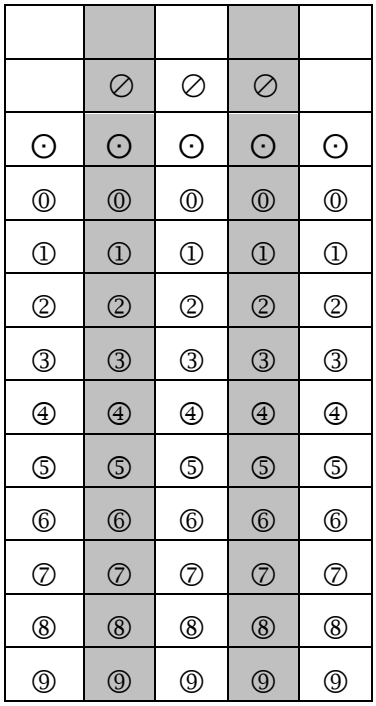
What fraction? $\frac{\text{PART}}{\text{TOTAL}}$ | **multiply fractions** $3\frac{1}{8} \times \frac{2}{3}$ | **add, subtract, compare** need common denominator

1. A yard has a total of 36 inches.
24 inches is **WHAT FRACTION** of a yard?



2. On a test with a total of 30 problems, Devin got 5 problems wrong and 25 problems right.
WHAT FRACTION of the problems did he get **right**?

(1) $^1/_{10}$
(2) $^1/_6$
(3) $^1/_3$
(4) ½
(5) $^5/_6$

3. The Waltons made a down payment of $6,000 on a new house. They paid the real estate broker $2,400. The total price of the house was $40,000. The **down payment** is **WHAT FRACTION** of the total price of the house?

(1) $^3/_{50}$
(2) $^3/_{20}$
(3) $^{21}/_{100}$
(4) $^{21}/_{50}$
(5) $^3/_5$

4. Rick got 6 problems wrong and 54 problems right.
WHAT FRACTION of the problems did he get **right**?

(1) $^1/_{15}$
(2) $^1/_{10}$
(3) $^1/_5$
(4) $^7/_{30}$
(5) $^9/_{10}$

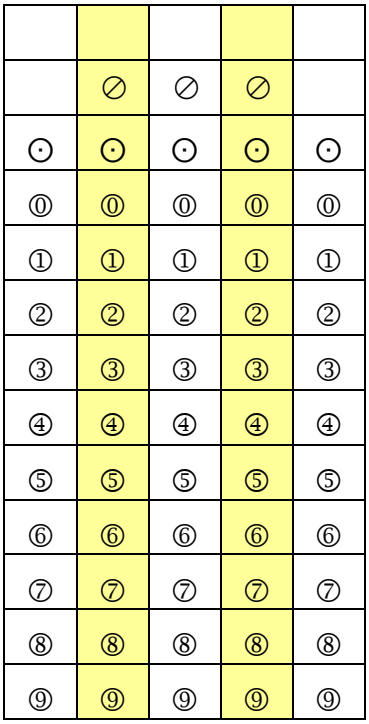
5. **9 months** is **WHAT FRACTION** of a year?

(1) $^1/_6$
(2) $^1/_3$
(3) ¼
(4) ½
(5) ¾

6. The math test has a total of 50 problems, Clara got 10 problems wrong. **WHAT FRACTION** of the problems did she get **right**?

(1) $^1/_5$
(2) $^1/_3$
(3) ¼
(4) ½
(5) $^4/_5$

7. A foot has a total of 12 inches.
6 inches is **WHAT FRACTION** of a foot?



What fraction? $\frac{\text{PART}}{\text{TOTAL}}$ | **multiply fractions** $3\frac{1}{8} \times \frac{2}{3}$ | **add, subtract, compare** need common denominator

8. Find the **product** of 3 ¾ and 3 $^1/_3$.

(1) 5
(2) 6 ¼
(3) 12 $^1/_{12}$
(4) 12 ¼
(5) 12 ½

9. For Christmas, Mrs. Roybal roasted a turkey weighing 24 ¾ pounds. Her daughter roasted another turkey weighing 18 ½ pounds. Find the **combined** weight of the turkeys.

(1) 5 ¼ pounds
(2) 42 ¼ pounds
(3) 42 ¾ pounds
(4) 43 ¼ pounds
(5) 44 pounds

10. From a 10 pound sack of flour, Sylvia used 4 $^1/_3$ pounds of flour to bake bread. How much flour did Sylvia **have left**?

(1) 4 $^2/_3$ pounds
(2) 5 $^2/_3$ pounds
(3) 6 $^1/_3$ pounds
(4) 6 $^2/_3$ pounds
(5) 14 $^1/_3$ pounds

11. The Trujillos spend **$^1/_3$ of their income** on food. The Trujillos' income is $267. How much do they spend on **food**?

(1) $89
(2) $92
(3) $109
(4) $112
(5) $123

12. Nick cut a board 82 inches long into 4 equal pieces. How long was **each** piece?

(1) 2 ½ inches
(2) 2 ¼ inches
(3) 20 inches
(4) 20 $^2/_3$ inches
(5) 20 ½ inches

13. It takes 4 ¾ ounces of tint to mix one gallon of paint to the desired color. Find the **total** ounces of tint that Hank will need for 5 gallons?

(1) 19
(2) 20
(3) 23
(4) 23 ¾
(5) 95

14. Walmart stock sold for 28 points on Monday. By Friday afternoon, the stock had **dropped** 6 ½ points. Find Friday's stock price.

(1) 18 $^1/_4$
(2) 20 $^1/_4$
(3) 21 $^1/_2$
(4) 22 $^1/_2$
(5) 22 ¾

Questions 15 and 16 refer to the following information.

The Montoyas spend ¼ of their budget on rent and $^1/_5$ on utilities.

15. **All together** rent and utilities make up what fraction of the Montoyas' budget?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

What fraction? PART / TOTAL | **multiply fractions** $3\frac{1}{8} \times \frac{2}{3}$ | **add, subtract, compare** need common denominator

16. What fraction do the Montoyas **have left** after they pay for rent and utilities?

(1) $^1/_{20}$
(2) $^3/_{20}$
(3) $^7/_{20}$
(4) $^9/_{20}$
(5) $^{11}/_{20}$

QUESTIONS 17 – 22 refer to the following information:

Alfred's **gross (total)** pay is $1440. His employer withholds the following of his total salary.

$^1/_8$ for federal tax
$^1/_6$ for state tax
$^1/_{12}$ for social security

17. How much of Alfred's **gross salary** is withheld for **federal tax**? Find **$^1/_8$ of $1440**.

(1) $18
(2) $80
(3) $108
(4) $180
(5) $1800

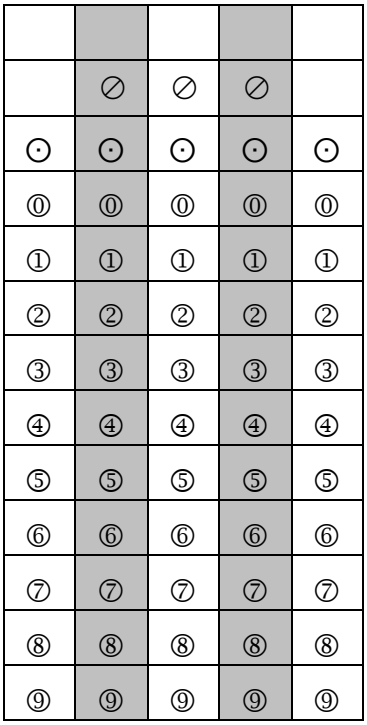
18. How much of Alfred's **gross salary** is withheld for **state tax**? Find **$^1/_6$ of $1440**.

(1) $24
(2) $204
(3) $240
(4) $260
(5) $290

19. How much of Alfred's **gross salary** is withheld for **social security**? Find **$^1/_{12}$ of $1440**.

(1) $12
(2) $120
(3) $122
(4) $124
(5) $1200

20. Find the **total** amount Alfred spends on **federal tax, state tax, and social security**.



21. What is Alfred's **take home** salary?

(1) $90
(2) $900
(3) $940
(4) $960
(5) $990

22. **What fraction** of Alfred's **gross salary** does he **take home**?

(1) $^1/_8$
(2) $^3/_8$
(3) $^7/_8$
(4) $^5/_8$
(5) $^1/_9$

What fraction? $\frac{\text{PART}}{\text{TOTAL}}$ | **multiply fractions** $3\frac{1}{8} \times \frac{2}{3}$ | **add, subtract, compare** need common denominator

23. A clerk had 12 yards of denim. She cut off a piece measuring $4\ ^{2}/_{3}$ yards. How long was the **remaining** piece?

(1) $^{2}/_{3}$
(2) $7\ ^{1}/_{3}$
(3) $7\ ^{2}/_{3}$
(4) $8\ ^{2}/_{3}$
(5) $16\ ^{2}/_{3}$

24. Roberto has four boxes of bolts.

Box A	$\frac{1}{2}$	inch bolts
Box B	$\frac{1}{8}$	inch bolts
Box C	$\frac{13}{16}$	inch bolts
Box D	$\frac{1}{4}$	inch bolts

Which of the following lists the bolts from **longest to shortest**?

(1) B, C, A, D
(2) C, A, D, B
(3) A, B, D, C
(4) C, A, B, D
(5) B, C, D, A

25. Steven wants to arrange the following packages from heaviest to lightest.

Package A	$1\frac{1}{2}$	pounds
Package B	$1\frac{5}{8}$	pounds
Package C	$2\frac{3}{8}$	pounds
Package D	$2\frac{3}{16}$	pounds
Package E	$2\frac{1}{4}$	pounds

Which of the following lists the packages in order from **heaviest to lightest**?

(1) B, A, C, E, D
(2) A, B, C, E, D
(3) C, D, E, A, B
(4) C, E, D, B, A
(5) D, E, C, A, B

26. Last week Tomas worked the following hours.

Monday	2 ¾ hours
Wednesday	2 ½ hours
Friday	3 ¼ hours

How many hours did he work **all together** last week?

(1) 1 ½
(2) 7 ½
(3) $7\ ^{5}/_{8}$
(4) 8 ½
(5) 9 ¼