

4. Fill in the blanks. [3]

(a) 1 one = _____ tenths

(b) 4 tenths = _____ hundredths

(c) 8 hundredths = _____ thousandths

5. What is $16.03 + 3.56$? [1]

(A) 16.386

(B) 19.59

(C) 19.86

(D) 51.63

6. What is $6.89 - 1.34$? [1]

(A) 5.55

(B) 6.51

(C) 6.756

(D) 8.25

7. Multiply or divide. Show your work. [4]

(a) $13.26 \times 40 =$ _____ (b) $0.6 \div 5 =$ _____

(c) $4.2 \times 5.35 =$ _____ (d) $38.2 \div 4 =$ _____

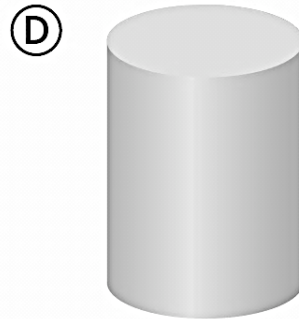
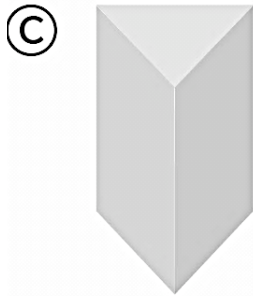
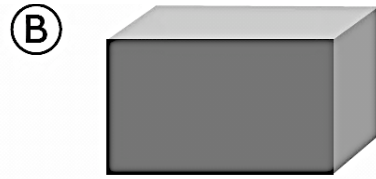
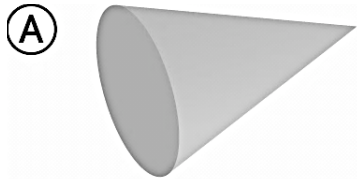
8. Fill in the blanks. [3]

(a) $1.5 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

(b) $3,015 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

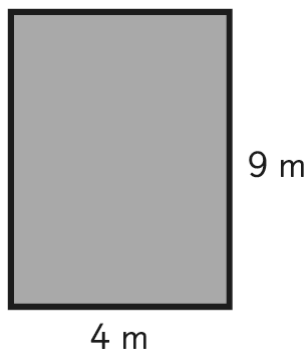
(c) $2.25 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$

9. Which of the following solids is a rectangular prism? [1]



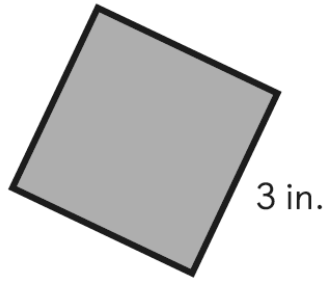
10. Find the area. [2]

(a)



Area = $\underline{\hspace{2cm}}$ m^2

(b) The following figure is a square.

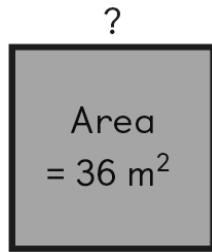


Area = _____ in²

11. Find the missing side length.

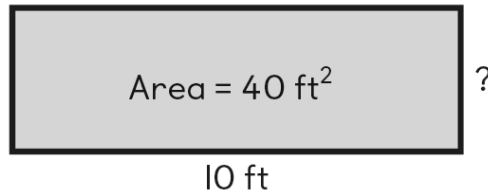
[2]

(a) The following figure is a square.



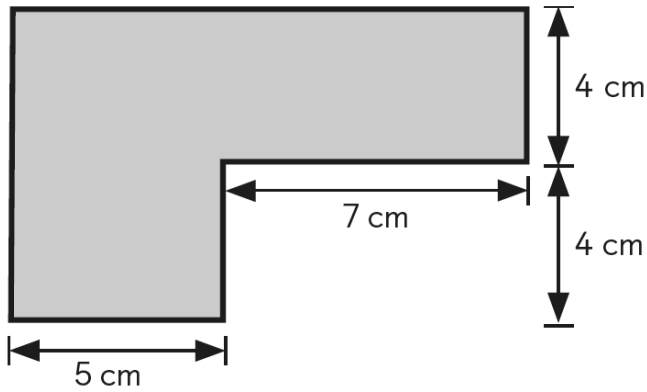
Side length = _____ m

(b)



Width = _____ ft

12. The composite figure is made up of two rectangles.
Find its area. [2]



13. Fill in the blanks. [2]

(a) $10^2 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$

(b) $10^3 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$

14. Multiply. [2]

(a) $13 \times 4 = \underline{\hspace{2cm}}$

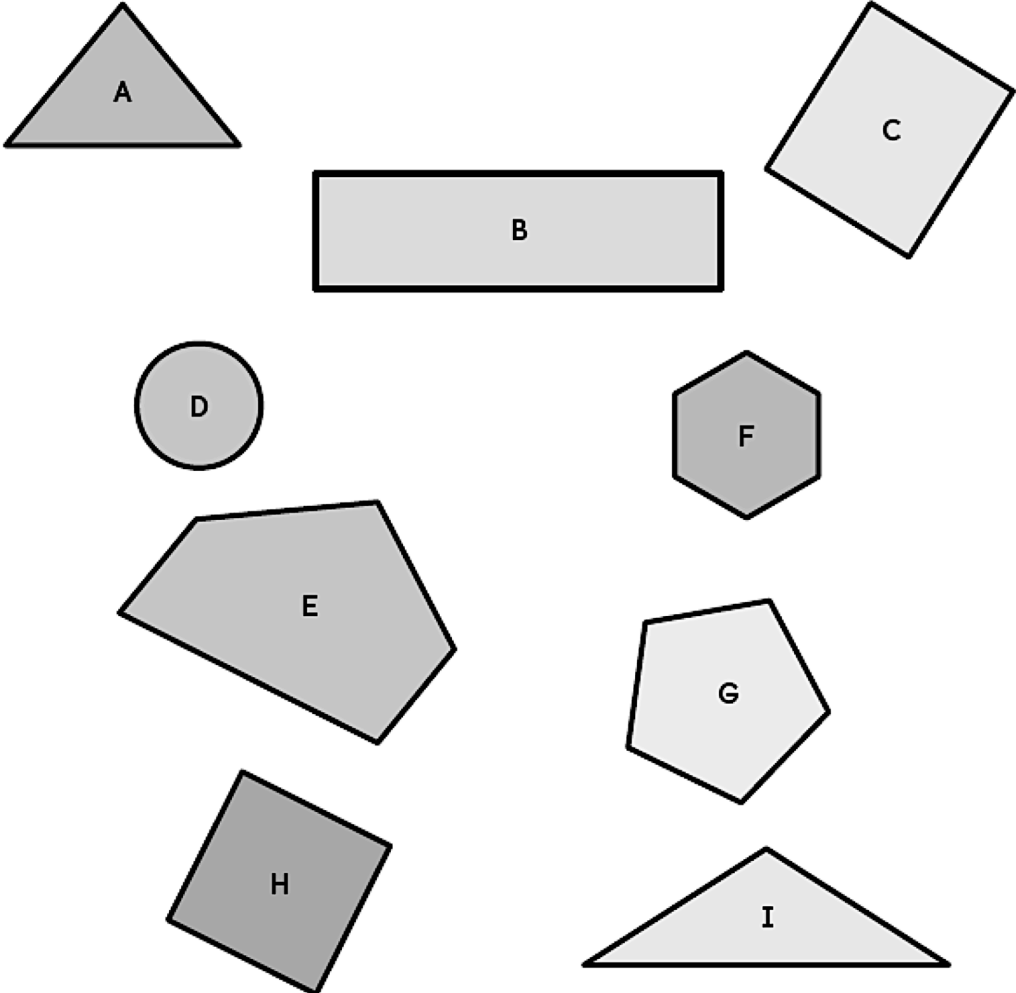
(b) $22 \times 15 = \underline{\hspace{2cm}}$

15. Divide. [2]

(a) $84 \div 4 = \underline{\hspace{2cm}}$

(b) $135 \div 3 = \underline{\hspace{2cm}}$

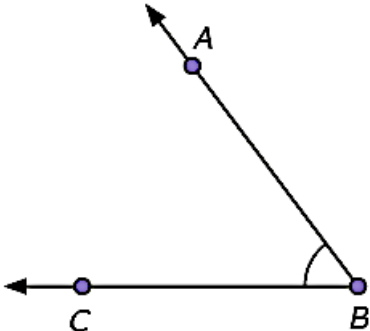
16. Identify the triangles and quadrilaterals. Then complete the table below with the letters of the shapes. [5]



Triangles	Quadrilaterals

17. Measure the marked angles using a protractor. Fill in the blanks. [3]

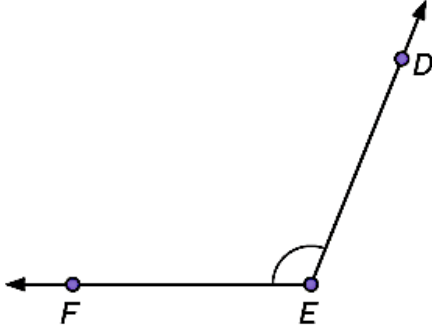
(a)



$\angle ABC =$ _____

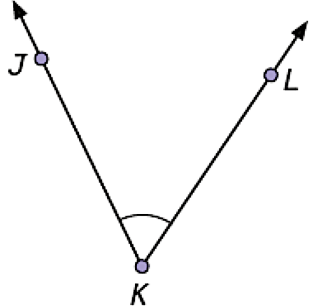
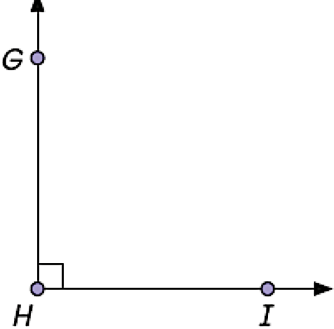
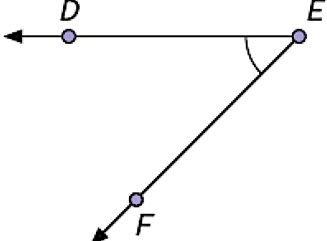
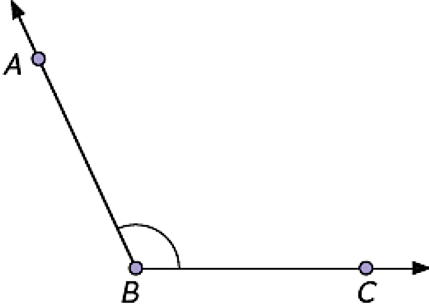
$\angle ABC$ is an _____ angle.

(b)



$\angle DEF =$ _____

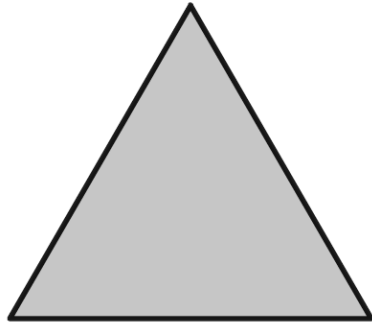
18. Classify each marked angle as a right angle, an acute angle, or an obtuse angle. [4]



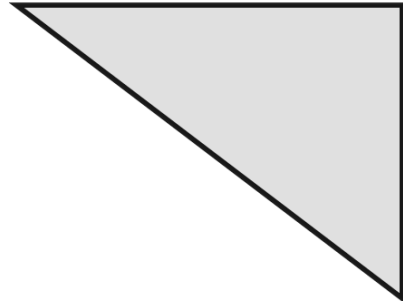
Right Angles	Acute Angles	Obtuse Angles

18. Identify the type of triangles. Write **right**, **acute**, or **obtuse**. [4]

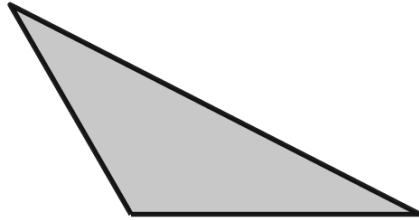
(a)



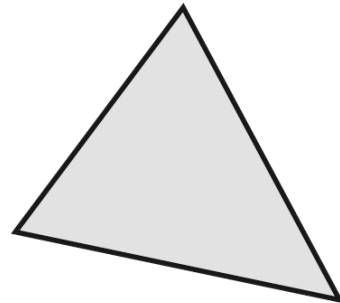
(b)



(c)



(d)



19. What is the sum of $\frac{3}{4}$ and $\frac{5}{8}$? Choose the **two** correct answers. [2]

(A) $\frac{8}{12}$

(B) $\frac{11}{8}$

(C) $1\frac{3}{8}$

(D) $1\frac{1}{2}$

20. Find the difference between $\frac{7}{9}$ and $\frac{5}{6}$. [1]

(A) $1\frac{11}{18}$

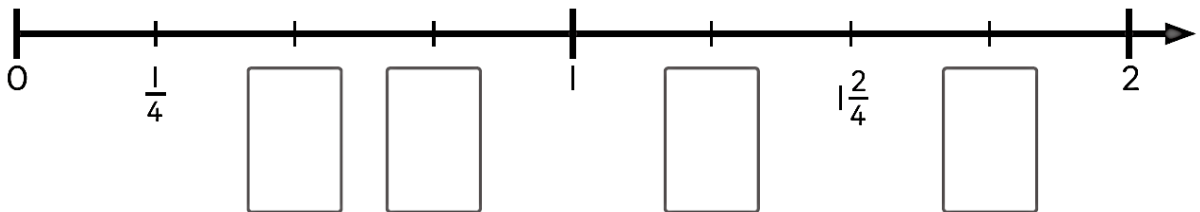
(B) $\frac{2}{3}$

(C) $\frac{2}{9}$

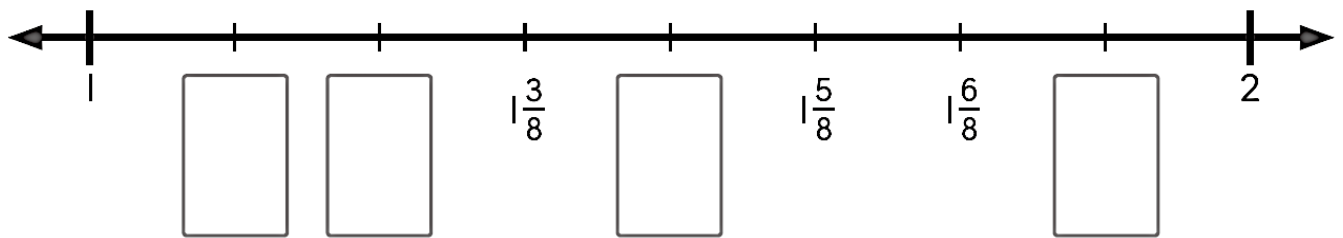
(D) $\frac{1}{18}$

21. Write the missing numbers. [2]

(a)



(b)



22. Multiply. [2]

(a) $\frac{7}{8} \times 4$

(b) $2\frac{3}{4} \times 6$

23. Divide. [2]

(a) $\frac{1}{8} \div 4$

(b) $1\frac{3}{4} \div 7$

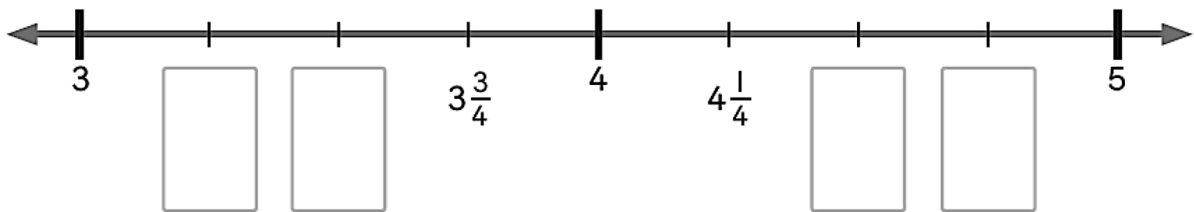
24. The lengths of eight ribbons are shown below.

[6]

$3\frac{1}{4}$ in.	$4\frac{3}{4}$ in.	$3\frac{3}{4}$ in.	$3\frac{1}{4}$ in.	$4\frac{2}{4}$ in.	$4\frac{2}{4}$ in.	$4\frac{3}{4}$ in.	$4\frac{3}{4}$ in.
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(a) Complete the line plot to show the data.

Length of Ribbons



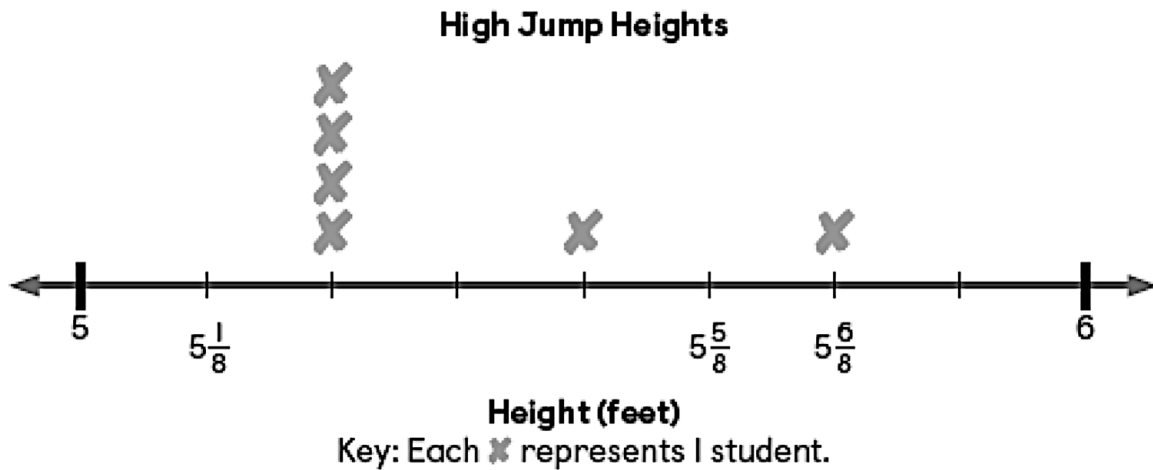
Length (inches)

Key: Each \times represents 1 ribbon.

Use the line plot to answer the questions.

- (b) Only one piece of ribbon has a length of _____ inches.
- (c) The longest ribbon has a length of _____ inches.
- (d) The shortest ribbon has a length of _____ inches.
- (e) There are as many _____-inch ribbons as _____-inch ribbons.
- (f) _____ ribbons have a length less than 4 inches.

25. The line plot below shows the results of a high jump competition. The winner is the student who jumped the highest. Use the data in the line plot to answer the question. [2]



How many feet higher did the winner jump than the student in second place? Express your answer in simplest form.

26. Complete the patterns. Write the rules. [6]

(a) 40, 35, 30, 25, 20, 15, _____, _____

Rule: _____.

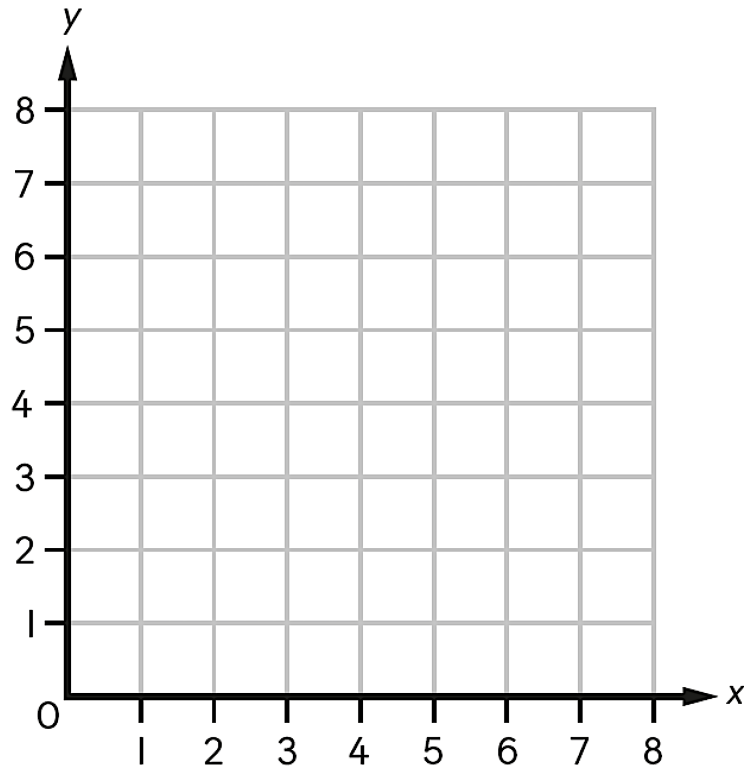
(b) 6, 12, 18, 24, 30, 36, _____, _____

Rule: _____.

27. Plot each of the following points on the coordinate plane.

[4]

- (a) Point A (2, 4)
- (b) Point B (5, 2)
- (c) Point C (0, 3)
- (d) Point D (6, 7)



Answer Key

1. B

2. (a) 0.5 (b) 4.25
(c) 15.6 (d) 6.875

3. (a) $\frac{4}{5}$ (b) $3\frac{1}{2}$
(c) $45\frac{3}{4}$ (d) $1\frac{1}{8}$

4. (a) 10 (b) 40 (c) 80

5. B

6. A

7. (a) 530.4

$$\begin{array}{r} 13.26 \\ \times 40 \\ \hline 530.40 \end{array}$$

(b) 0.12

$$\begin{array}{r} 0.12 \\ 5 \overline{)0.60} \\ \underline{5} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

(c) 22.47

$$\begin{array}{r} 535 \\ \times 42 \\ \hline 1070 \\ 21400 \\ \hline 22470 \end{array}$$

(d) 9.55

$$\begin{array}{r} 9.55 \\ 4 \overline{) 38.20} \\ \underline{36} \\ 22 \\ \underline{20} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

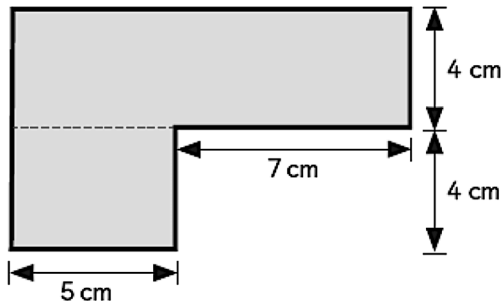
8. (a) 1,500 (b) 3,015 (c) 36

9. B

10. (a) 36 (b) 9

11. (a) 6 (b) 4

12.



Area of figure

$$= (5 + 7) \times 4 + 5 \times 4$$

$$= 12 \times 4 + 20$$

$$= 48 + 20$$

$$= 68 \text{ cm}^2$$

13. (a) 10, 10

(b) 10, 10, 10

14. (a) 52

$$\begin{array}{r} 13 \\ \times 4 \\ \hline 52 \end{array}$$

(b) 330

$$\begin{array}{r} \\ 2 \\ 2 \\ \times 1 5 \\ \hline 1 0 \\ 2 2 0 \\ \hline 3 3 0 \end{array}$$

(c) 21

$$\begin{array}{r} 2 1 \\ 4 \overline{) 8 4} \\ 8 \\ \hline 4 \\ 4 \\ \hline 0 \end{array}$$

(d) 45

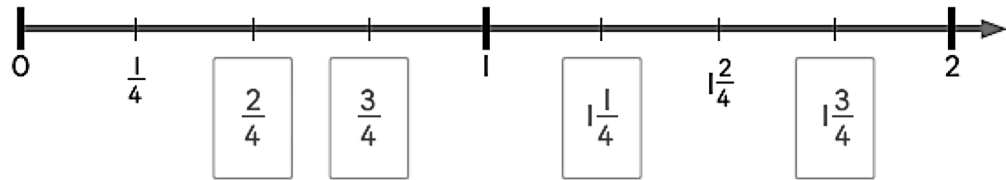
$$\begin{array}{r} 4 5 \\ 3 \overline{) 1 3 5} \\ 1 2 \\ \hline 1 5 \\ 1 5 \\ \hline 0 \end{array}$$

15. Triangles: A, I
Quadrilaterals: B, C, H
16. (a) 53° (b) 112°
acute
17. Right Angles: $\angle GHI$
Acute Angles: $\angle DEF$ and $\angle JKL$
Obtuse Angles: $\angle ABC$
18. (a) acute
(b) right
(c) obtuse
(d) acute

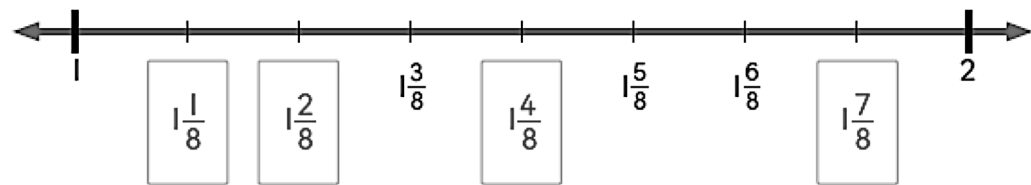
19. B and C

20. D

21. (a)



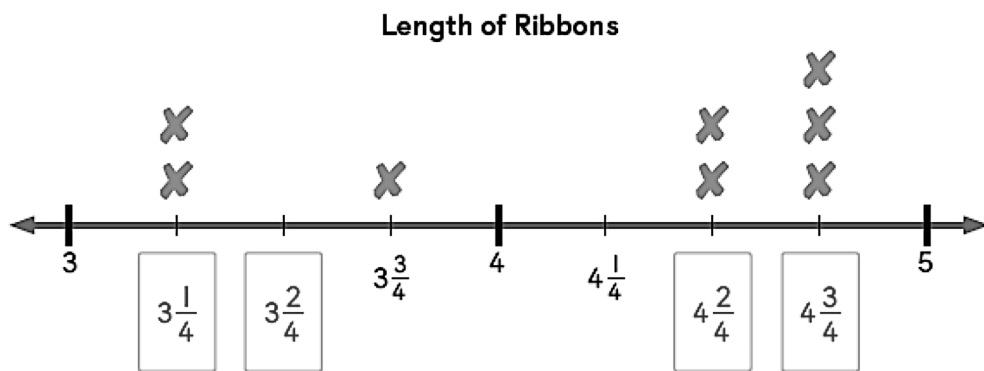
(b)



22. (a) $3\frac{1}{2}$ (b) $16\frac{1}{2}$

23. (a) $\frac{1}{32}$ (b) $\frac{1}{4}$

24. (a)



Length (inches)
Key: Each X represents 1 ribbon.

(b) $3\frac{3}{4}$ (c) $4\frac{3}{4}$

(d) $3\frac{1}{4}$ (e) $3\frac{1}{4}, 4\frac{2}{4}$

(f) 3

25. $5\frac{6}{8} - 5\frac{4}{8} = \frac{2}{8}$
 $= \frac{1}{4}$

The winner jumped $\frac{1}{4}$ foot higher than the student in second place.

26. (a) 10, 5, Start at 40 and subtract 5

(b) 42, 48, Start at 6 and add 6

27.

