

Write the correct answer.

For 1–2, write the output.

1

16	× 3	÷ 4	= ■
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12

2

30	× 4	÷ 5	= ■
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24

3 Violet bikes 12 miles in a charity event. Her brother Zachary bikes twice as far as she bikes. If Zachary splits his riding into 6 equal parts, how many miles does he ride during each part?

4 miles

4 A supermarket worker is unpacking 20 cartons of cereal. She makes 5 equal groups from the boxes. She makes a pyramid display with 4 of the groups. How many cartons does she use for the pyramid?

16 cartons

For 5–6, write an equivalent fraction that is in simplest form.

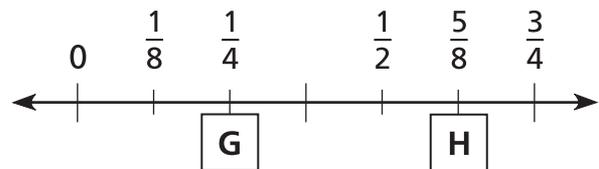
5 $\frac{9}{24}$ $\frac{3}{8}$

6 $\frac{16}{40}$ $\frac{2}{5}$

7 Write a denominator greater than 10 for a fraction that cannot be equivalent to $\frac{3}{8}$.

 Accept any number greater than 10 that is not a multiple of 8.

For 8–9, write an equivalent fraction for fractions labeled G and H.



8 G **$\frac{2}{8}, \frac{3}{12}, \frac{4}{16}$, or any other fraction equivalent to $\frac{1}{4}$.**

9 H **$\frac{10}{16}, \frac{15}{24}, \frac{20}{32}$, or any other fraction equivalent to $\frac{5}{8}$.**

For 10–11, use the information below.

Justin puts these cards in a bag. He picks one, remembers which card it is, puts it back, and picks another. The fractions tell what part of the picks are that card.

A	B	C	D	E
$\frac{2}{24}$	$\frac{1}{8}$	$\frac{5}{12}$	$\frac{1}{3}$	$\frac{1}{24}$

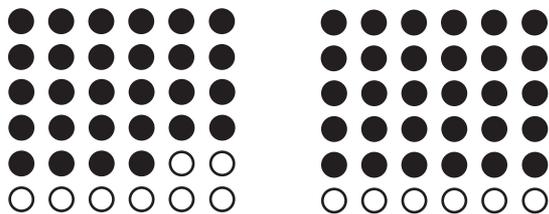
10 Which card does Justin pick most often?

C

11 Write the cards in order from least often picked to most often picked.

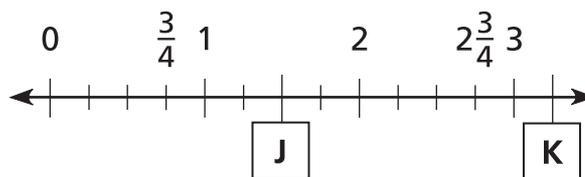
E, A, B, D, C

12 If you compare the fractions $\frac{7}{9}$ and $\frac{5}{6}$ using the dot sketches below, what common denominator are you using?



36

For 13–14, write the number that belongs to the letter on the number line.



13 J

$1\frac{2}{4}$ or $1\frac{1}{2}$

14 K

$3\frac{1}{4}$

15 Mario’s notebook is $11\frac{1}{2}$ inches tall by $8\frac{3}{4}$ inches wide. He wants to buy a package of paper that measures $11\frac{3}{4}$ inches by $8\frac{1}{2}$ inches. Will the paper fit completely inside his notebook? Explain how you know.

No; the width of the notebook is greater than the paper, but the height of the paper is greater than the height of the notebook.