

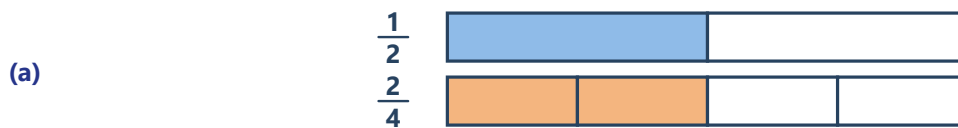
Year 4: Equivalent fractions: answers

Year 4 - Fractions - Lesson 5.3

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch05-fractions/equivalent-fractions/

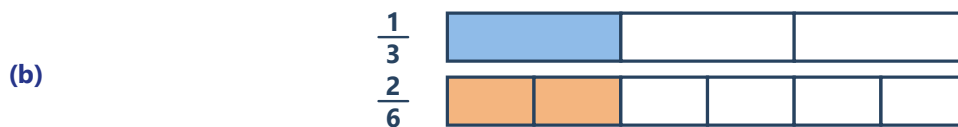
Exercise 5C Equivalent fractions Non-calculator

1 The bars are all the same length. Fill in the missing numbers.



$$\frac{1}{2} = \frac{?}{4}$$

Answer: 2



$$\frac{1}{3} = \frac{?}{6}$$

Answer: 2



$$\frac{3}{4} = \frac{?}{8}$$

Answer: 6



$$\frac{2}{5} = \frac{?}{10}$$

Answer: 4

2 Use the fraction wall to fill in the missing numbers.

1											
1/2						1/2					
1/3				1/3				1/3			
1/4			1/4			1/4			1/4		
1/6		1/6		1/6		1/6		1/6		1/6	
1/8		1/8		1/8		1/8		1/8		1/8	
1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12

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

Answer: 2

(b) $\frac{1}{2} = \frac{?}{8}$

Answer: 4

(c) $\frac{1}{4} = \frac{?}{8}$

Answer: 2

(d) $\frac{1}{3} = \frac{?}{6}$

Answer: 2

(e) $\frac{1}{3} = \frac{?}{12}$

Answer: 4

(f) $\frac{1}{2} = \frac{?}{6}$

Answer: 3

3 Quick-fire! Fill in the missing top numbers.

(a) $\frac{1}{2} = \frac{?}{10}$

Answer: 5

(b) $\frac{1}{4} = \frac{?}{12}$

Answer: 3

(c) $\frac{2}{3} = \frac{?}{6}$

Answer: 4

(d) $\frac{3}{4} = \frac{?}{8}$

Answer: 6

(e) $\frac{1}{5} = \frac{?}{10}$

Answer: 2

(f) $\frac{3}{5} = \frac{?}{10}$

Answer: 6

4 Quick-fire! Fill in the missing bottom numbers.

(a) $\frac{1}{2} = \frac{3}{?}$

Answer: 6

(b) $\frac{1}{3} = \frac{4}{?}$

Answer: 12

(c) $\frac{2}{5} = \frac{4}{?}$

Answer: 10

(d) $\frac{3}{4} = \frac{9}{?}$

Answer: 12

(e) $\frac{2}{3} = \frac{8}{?}$

Answer: 12

(f) $\frac{3}{5} = \frac{12}{?}$

Answer: 20

5 This time divide the top and the bottom by the same number.

(a) $\frac{4}{8} = \frac{?}{2}$

Answer: 1

(b) $\frac{6}{12} = \frac{?}{4}$

Answer: 2

(c) $\frac{6}{10} = \frac{3}{?}$

Answer: 5

(d) $\frac{8}{12} = \frac{2}{\boxed{?}}$

Answer: 3

(e) $\frac{4}{10} = \frac{\boxed{?}}{5}$

Answer: 2

6 Complete the family of $\frac{1}{4}$. $\frac{1}{4} = \frac{2}{\boxed{?}} = \frac{\boxed{?}}{12} = \frac{4}{\boxed{?}}$

(a) $\frac{1}{4} = \frac{2}{\boxed{?}}$

Answer: 8

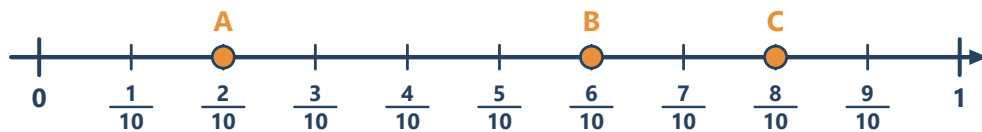
(b) $\frac{1}{4} = \frac{\boxed{?}}{12}$

Answer: 3

(c) $\frac{1}{4} = \frac{4}{\boxed{?}}$

Answer: 16

7 The number line is split into tenths. Write each point as a fraction in fifths.



(a) Point A is at $\frac{2}{10}$. Write A in fifths: $\frac{2}{10} = \frac{\boxed{?}}{5}$

Answer: 1

(b) Point B is at $\frac{6}{10}$. Write B in fifths: $\frac{6}{10} = \frac{\boxed{?}}{5}$

Answer: 3

(c) Point C is at $\frac{8}{10}$. Write C in fifths: $\frac{8}{10} = \frac{\boxed{?}}{5}$

Answer: 4

8 Are the two fractions equivalent? Write Yes or No.

(a) $\frac{1}{2}$ and $\frac{4}{8}$

Answer: Yes

(b) $\frac{2}{3}$ and $\frac{8}{12}$

Answer: Yes

(c) $\frac{3}{5}$ and $\frac{5}{10}$

Answer: No

(d) $\frac{1}{4}$ and $\frac{3}{8}$

Answer: No

(e) $\frac{2}{6}$ and $\frac{1}{3}$

Answer: Yes

(f) $\frac{2}{5}$ and $\frac{3}{10}$

Answer: No

- 9 Which fraction is the odd one out? $\frac{1}{2}$ $\frac{3}{6}$ $\frac{4}{8}$ $\frac{5}{12}$

Answer: $\frac{5}{12}$

- 10 Which fractions are equal to $\frac{1}{2}$? Tick **all** the boxes that are equal to a half. A $\frac{3}{6}$ B $\frac{4}{10}$ C $\frac{5}{10}$ D $\frac{6}{12}$ E $\frac{3}{8}$

Answer: A, C, D

- 11 A pizza is cut into 6 equal slices. Tom eats $\frac{2}{3}$ of the pizza. Use equivalent fractions to find how many slices Tom eats. $\frac{2}{3} = \frac{?}{6}$

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Answer: 4

- 12 Noah eats $\frac{2}{4}$ of a pizza. Mei eats $\frac{4}{8}$ of an identical pizza. Who eats more pizza? Explain.

Answer: Neither: they ate the same amount

- 13 Dev says, " $\frac{1}{3} = \frac{2}{4}$ ", because you add 1 to the top and 1 to the bottom." Is Dev right? Explain.

Answer: No. $\frac{1}{3} \neq \frac{2}{4}$

- 14 Complete these fractions that are equal to $\frac{2}{5}$.

(a) $\frac{2}{5} = \frac{?}{10}$

Answer: 4

(b) $\frac{2}{5} = \frac{?}{15}$

Answer: 6

(c) $\frac{2}{5} = \frac{\boxed{?}}{20}$

Answer: 8