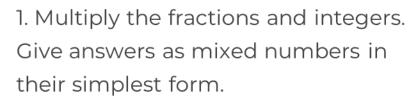
Maths

Multiplying a fraction by an integer

Miss Parnham







b)
$$\frac{3}{8} \times 2$$

c)
$$4 \times -\frac{2}{3}$$

d)
$$\frac{7}{12} \times 2$$

e)
$$\frac{-3}{4} \times 8$$

f)
$$15 \times \frac{4}{5}$$

g)
$$10 \times \frac{8}{15}$$

h)
$$\frac{-7}{18} \times -12$$





dog food and the other eats $\frac{1}{3}$ of a tin. Alex needs a two week supply. How many tins should she buy?

3. The same number is missing from both spaces, what is it?

$$\frac{3}{4}$$
 × $\left(-\frac{2}{3} \times \right)$ =1



4. Multiply the fractions and integers. Give answers as mixed numbers in their simplest form.

a)
$$1\frac{5}{9} \times 4$$

b)
$$3 \times 2\frac{7}{8}$$

c)
$$2 \times 1\frac{3}{4}$$

d)
$$4 \times 2\frac{3}{8}$$

e)
$$1\frac{7}{11} \times -3$$

f)
$$-2\frac{5}{16} \times 4$$

g)
$$5 \times -3\frac{3}{10}$$

h)
$$-5\frac{7}{8} \times -6$$

5. Rosie needs $1\frac{3}{5}$ m of fabric for each tablecloth she sews. How much fabric does she need for 13 tablecloths?

6. Which product has a solution closest to 10?

$$2\frac{3}{5}\times4$$

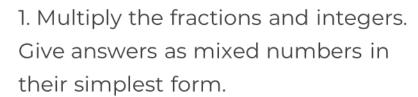
$$3 \times 3\frac{2}{7}$$

$$-5 \times -1\frac{5}{6}$$



Answers





a)
$$5 \times \frac{1}{6} = \frac{5}{6}$$

a)
$$5 \times \frac{1}{6} = \frac{5}{6}$$
 b) $\frac{3}{8} \times 2 = \frac{3}{4}$

c)
$$4 \times -\frac{2}{3} = -2\frac{2}{3}$$
 d) $\frac{7}{12} \times 2 = 1\frac{1}{6}$

e)
$$\frac{-3}{4} \times 8 = -6$$
 f) $15 \times \frac{4}{5} = 12$

g)
$$10 \times \frac{8}{15} = 5\frac{1}{3}$$

g)
$$10 \times \frac{8}{15} = 5\frac{1}{3}$$
 h) $\frac{-7}{18} \times -12 = 4\frac{2}{3}$





dog food and the other eats $\frac{1}{7}$ of a tin.

Alex needs a two week supply.

How many tins should she buy? 16 tins $10\frac{1}{2} + 4\frac{2}{3} = 15\frac{1}{6}$

$$10\frac{1}{2} + 4\frac{2}{3} = 15\frac{1}{6}$$

3. The same number is missing from both spaces, what is it?

$$\frac{3}{4} \times \boxed{12} - \frac{2}{3} \times \boxed{12} = 1$$



4. Multiply the fractions and integers. Give answers as mixed numbers in their simplest form.

a)
$$1\frac{5}{9} \times 4 = 6\frac{2}{9}$$
 b) $3 \times 2\frac{7}{8} = 8\frac{5}{8}$

b)
$$3 \times 2\frac{7}{8} = 8\frac{5}{8}$$

c)
$$2 \times 1\frac{3}{4} = 3\frac{1}{2}$$
 d) $4 \times 2\frac{3}{8} = 9\frac{1}{2}$

d)
$$4 \times 2\frac{3}{8} = 9\frac{1}{2}$$

e)
$$1\frac{7}{11} \times -3 = -4\frac{10}{11}$$
 f) $-2\frac{5}{16} \times 4 = -9\frac{1}{4}$

g)
$$5 \times -3\frac{3}{10} = -16\frac{1}{2}$$
 h) $-5\frac{7}{8} \times -6 = 35\frac{1}{4}$

5. Rosie needs $1\frac{3}{5}$ m of fabric for each tablecloth she sews.

How much fabric does she need for 13 tablecloths? $13 \times 1\frac{3}{5} = 20\frac{4}{5} \text{ m}$

6. Which product has a solution

closest to 10?
$$9\frac{6}{7}$$
 $9\frac{1}{6}$ $2\frac{3}{5} \times 4$ $3 \times 3\frac{2}{7}$ $-5 \times -1\frac{5}{6}$

