

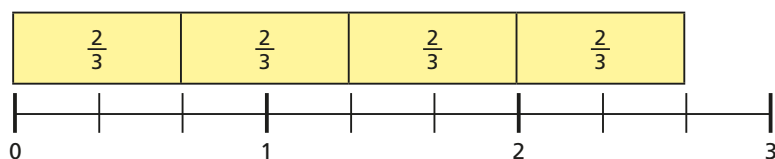
1 Solve the calculations.

- a) 5×3 b) $5 \times 3a$ c) $5 \times 3xy$ d) $5 \times \frac{3}{7}$

2 Match the calculations to the correct answers.

$3 \times \frac{2}{5}$	$\frac{6}{15}$
$\frac{3}{4} \times 5$	$\frac{8}{5}$
$\frac{1}{15} \times 6$	$\frac{15}{4}$
$\frac{4}{5} \times 2$	$\frac{6}{5}$

3 This diagram represents $4 \times \frac{2}{3} = \frac{8}{3} = 2\frac{2}{3}$



Draw diagrams to represent the calculations.

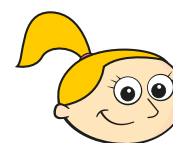
- a) $3 \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$ b) $6 \times \frac{2}{3} = \frac{12}{3} = 4$



4 Convert the improper fractions to mixed numbers.

- a) $\frac{5}{2}$ b) $\frac{11}{4}$ c) $\frac{18}{5}$ d) $\frac{30}{6}$

5



$4 \times \frac{3}{5} = \frac{12}{20}$ because
 $4 \times 3 = 12$ and
 $4 \times 5 = 20$

Explain why Eva is wrong.

6 Solve the calculations.

Give your answers as mixed numbers in their simplest form where appropriate.

- a) $7 \times \frac{1}{2}$ e) $\frac{5}{8} \times 8$ i) $12 \times \frac{5}{6}$
 b) $8 \times \frac{2}{3}$ f) $9 \times \frac{3}{4}$ j) $18 \times \frac{1}{3}$
 c) $\frac{5}{8} \times 3$ g) $\frac{2}{17} \times 6$
 d) $\frac{5}{8} \times 4$ h) $\frac{2}{3} \times 10$

7 Give your answers as mixed numbers in their simplest form where appropriate.

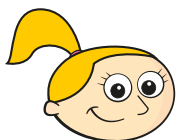
- a) A piece of wood is $\frac{4}{5}$ m long.
How long are six of these pieces of wood, placed end-to-end?
- b) At a school, lunchtime is $\frac{3}{4}$ hour.
What is the total time taken for lunch over a full school week?
- c) Rosie buys 10 bags of dried fruit.
Each bag weighs $\frac{2}{5}$ kg.
What is the total weight of all 10 bags?



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8 Find the missing numbers in these calculations.

- a) $\frac{2}{7} \times \square = \frac{6}{7}$ d) $5 \times \square = \square = 3\frac{1}{8}$
 b) $\frac{3}{8} \times \square = \frac{15}{8} = 1\frac{7}{8}$ e) $6 \times \square = \frac{\square}{4} = 4\frac{1}{2}$
 c) $6 \times \square = \frac{18}{11} = \square$

9



I know these all
 have the same answer without
 having to work them
 all out.

$8 \times \frac{4}{5}$	$4 \times \frac{8}{5}$	$2 \times 0.8 \times 4$	$\frac{2}{5} \times 16$
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How does Amir know these calculations are equivalent?

Compare answers with a partner.