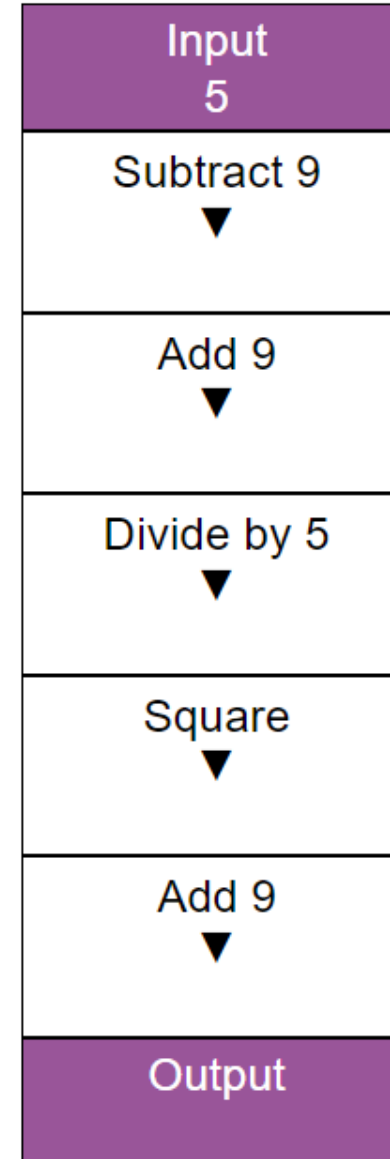
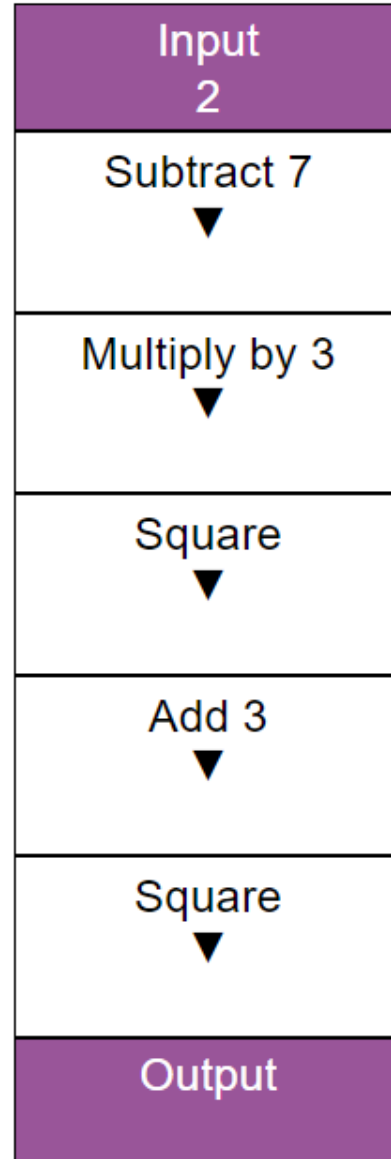
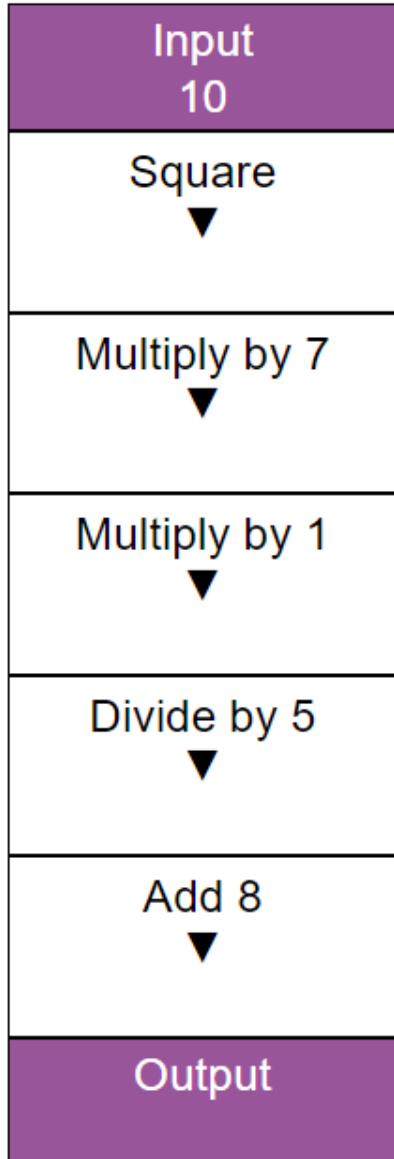
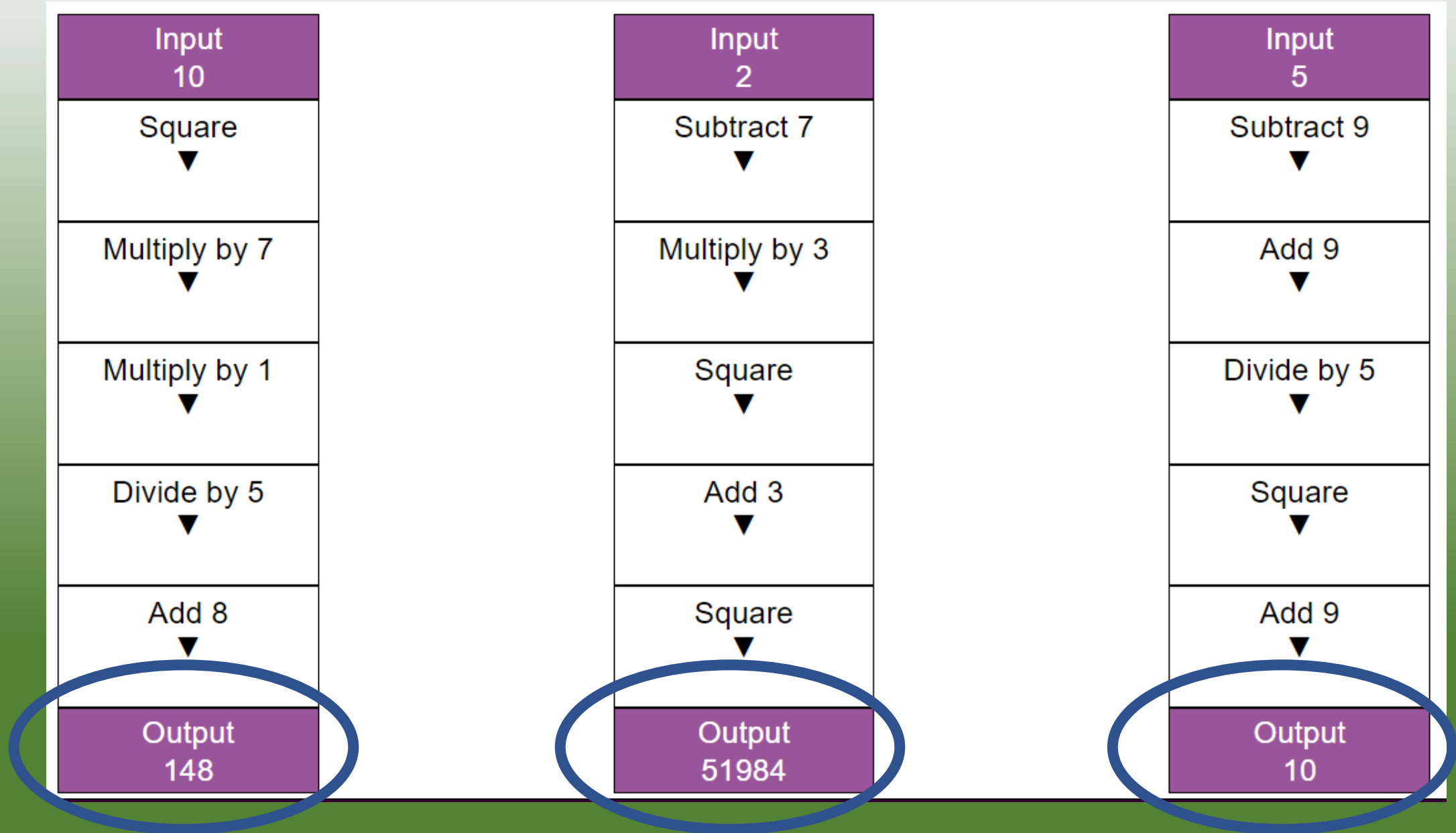


Maths Day 2 - Starter





Maths Day 2 – Multiplying Fractions by fractions

Video Link: <https://vimeo.com/476253821>

Remember, you MUST simplify your answers!

Multiplying Fractions

$$\frac{2}{4} \times \frac{3}{6}$$

$$\frac{2}{4} \times \frac{3}{6} = \frac{6}{24}$$

Multiply the numerators. Multiply the denominators.

$$\frac{6}{24} = \frac{1}{4}$$

Simplify the fraction by dividing the numerator and denominator by their largest common factor.

Set A

Work out:

1 $\frac{1}{2} \times \frac{1}{3}$

2 $\frac{1}{6} \times \frac{1}{5}$

3 $\frac{1}{5} \times \frac{3}{4}$

4 $\frac{2}{3} \times \frac{2}{5}$

5 $\frac{4}{7} \times \frac{2}{3}$

Look at these number cards.

2 3 5 9

Pick numbers from the cards to complete each calculation.

6 $\frac{1}{\square} \times \frac{\square}{3} = \frac{2}{9}$

7 $\frac{1}{2} \times \frac{\square}{\square} = \frac{2}{10}$

Rewrite the calculations using fractions, and work out the answers:

8 one half multiplied by one half

9 one quarter multiplied by one third

10 two thirds multiplied by one fifth

Set B



Set B

Work out:

1 $\frac{1}{2} \times \frac{1}{8}$

2 $\frac{3}{10} \times \frac{1}{2}$

3 $\frac{5}{6} \times \frac{1}{3}$

4 $\frac{7}{10} \times \frac{3}{4}$

5 $\frac{2}{9} \times \frac{4}{5}$

Look at these number cards.

2 3 4 6 8

Pick numbers from the cards to complete each calculation.

6 $\frac{2}{\square} \times \frac{\square}{5} = \frac{8}{15}$

7 $\frac{\square}{5} \times \frac{5}{\square} = \frac{10}{40} = \frac{1}{\square}$

Work out, giving your answers in their simplest forms:

8 $\frac{1}{2} \times \frac{2}{5}$

9 $\frac{3}{5} \times \frac{1}{6}$

10 $\frac{4}{7} \times \frac{1}{8}$

11 $\frac{9}{10} \times \frac{2}{7}$



Set C

Work out, giving your answers in their simplest forms:

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

2 $\frac{6}{7} \times \frac{7}{12}$

3 $\frac{1}{6} \times \frac{8}{11}$

4 $\frac{4}{9} \times \frac{5}{12}$

Are the following statements true or false?

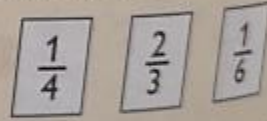
5 $\frac{3}{4} \times \frac{1}{2} = \frac{4}{6}$

6 $\frac{3}{5} \times \frac{1}{9} = \frac{1}{15}$

7 $\frac{1}{3} \times \frac{3}{8} > \frac{5}{6} \times \frac{1}{4}$

8 $\frac{3}{5} \times \frac{3}{4} < \frac{1}{2} \times \frac{7}{10}$

Liane makes the three fraction cards below.



Which two fraction cards does she multiply to give the

- 9 smallest answer?
10 largest answer?



Answers

18. $\frac{13}{8}$

36. $\frac{23}{10}$

Page 54: Multiplying Fractions

Set A

1. $\frac{1}{6}$

6. $\frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$

2. $\frac{1}{30}$

7. $\frac{1}{2} \times \frac{2}{5} = \frac{2}{10}$

3. $\frac{3}{20}$

8. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

4. $\frac{4}{15}$

9. $\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$

5. $\frac{8}{21}$

10. $\frac{2}{3} \times \frac{1}{5} = \frac{2}{15}$

Set B

1. $\frac{1}{16}$

7. $\frac{2}{5} \times \frac{5}{8} = \frac{10}{40} = \frac{1}{4}$

2. $\frac{3}{20}$

8. $\frac{1}{5}$

3. $\frac{5}{18}$

9. $\frac{1}{10}$

4. $\frac{21}{40}$

10. $\frac{1}{14}$

5. $\frac{8}{45}$

11. $\frac{9}{35}$

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

Set C

1. $\frac{1}{6}$

4. $\frac{5}{27}$

8. False

2. $\frac{1}{2}$

5. False

9. $\frac{1}{4}$ and $\frac{1}{6}$

3. $\frac{4}{33}$

6. True

10. $\frac{1}{4}$ and $\frac{2}{3}$

7. False

Fancy some more maths?

Flashback 4

Year 6 | Week 9 | Day 4

CCLXXX

1) Calculate $\frac{2}{5} \times \frac{6}{7}$

2) Work out the missing numerator.

$$\frac{?}{5} - \frac{1}{10} = \frac{7}{10}$$

3) What is 10 less than 1,009?

4) How many metres are equal to 100 kilometres?

CCLXXX

1) Calculate $\frac{2}{5} \times \frac{6}{7}$ $\frac{12}{35}$

2) Work out the missing numerator.

$$\frac{?}{5} - \frac{1}{10} = \frac{7}{10} \quad 4$$

3) What is 10 less than 1,009? 999

4) How many metres are equal to 100 kilometres?
 $100,000 \text{ m}$