

Choose one or both of the sets of sums and work out all the answers.

On the diagram opposite colour each area which contains one of the answers.

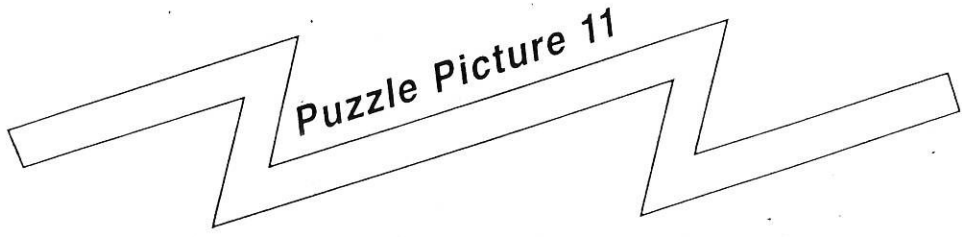
What do you see?



**First Set**

Simplify the answers as much as possible

- |                                       |  |  |
|---------------------------------------|--|--|
| 1. $\frac{1}{2} \times \frac{1}{2} =$ | 10. $\frac{7}{10} \div \frac{1}{10} =$ | 19. $\frac{2}{3} \times \frac{1}{2} =$ |
| 2. $\frac{1}{3} \times \frac{1}{2} =$ | 11. $\frac{3}{7} \times 2 =$           | 20. $\frac{9}{10} \div 3 =$            |
| 3. $\frac{3}{4} \times \frac{2}{3} =$ | 12. $\frac{3}{4} \div \frac{1}{8} =$   | 21. $\frac{3}{8} \times 2 =$           |
| 4. $\frac{1}{2} \div \frac{1}{4} =$   | 13. $1 \div \frac{1}{10} =$            | 22. $\frac{1}{8} \times \frac{1}{2} =$ |
| 5. $\frac{3}{4} \div \frac{1}{2} =$   | 14. $3 \times \frac{3}{9} =$           | 23. $\frac{3}{4} \times \frac{3}{4} =$ |
| 6. $\frac{1}{6} \times 4 =$           | 15. $1 \div \frac{1}{4} =$             | 24. $\frac{1}{5} \times \frac{1}{5} =$ |
| 7. $\frac{3}{4} \div \frac{1}{4} =$   | 16. $\frac{1}{2} \times \frac{1}{4} =$ | 25. $\frac{3}{4} \times 3 =$           |
| 8. $\frac{5}{8} \div \frac{1}{8} =$   | 17. $\frac{9}{10} \div \frac{1}{10} =$ |  |
| 9. $\frac{5}{6} \times \frac{2}{3} =$ | 18. $1 \div \frac{1}{8} =$             |  |



**Second Set**

Simplify the answers as much as possible

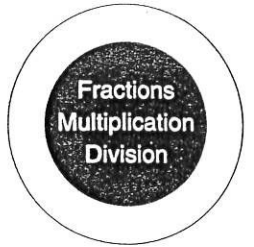
- |   |   |  |
|---|---|--|
| 1. $\frac{1}{2} \times \frac{1}{2} \times 16 =$           | 10. $\frac{2}{5} \times \frac{3}{5} \div 6 =$             | 19. $1\frac{1}{2} \times \frac{1}{2} \times \frac{2}{9} =$ |
| 2. $\frac{5}{4} \times \frac{2}{5} \times \frac{1}{4} =$  | 19. $\frac{3}{2} \div \frac{1}{2} \times \frac{5}{3} =$   | 20. $\frac{3}{4} \times 8 \times 1\frac{1}{3} =$           |
| 3. $\frac{1}{2} \times \frac{2}{3} \times 6 =$            | 11. $\frac{5}{7} \times 2 \times \frac{3}{5} =$           | 21. $1\frac{2}{3} \div \frac{1}{3} \times \frac{1}{9} =$   |
| 4. $\frac{3}{2} \times \frac{1}{4} \times 2 =$            | 13. $\frac{1}{2} \div \frac{1}{2} \times \frac{9}{4} =$   | 22. $1\frac{1}{5} \div \frac{1}{10} \times \frac{5}{6} =$  |
| 5. $\frac{1}{5} \div \frac{1}{10} \times 3 =$             | 14. $\frac{7}{8} \div \frac{1}{16} \times \frac{1}{2} =$  | 23. $1\frac{1}{3} \div \frac{1}{3} \times \frac{1}{6} =$   |
| 6. $\frac{1}{6} \times 4 \times \frac{1}{2} =$            | 15. $2 \div \frac{1}{3} \times \frac{1}{20} =$            | 24. $4\frac{1}{2} \div 1\frac{1}{2} \times 3 =$            |
| 7. $\frac{1}{2} \times \frac{1}{2} \times 2\frac{1}{4} =$ | 16. $\frac{3}{4} \div \frac{1}{4} \div 2 =$               | 25. $2\frac{2}{3} \times \frac{3}{4} \div 2 =$             |
| 8. $\frac{3}{4} \times 2 \times \frac{1}{3} =$            | 17. $\frac{7}{12} \div \frac{1}{12} \times \frac{3}{7} =$ |  |
| 9. $\frac{1}{8} \times \frac{1}{2} \times 4 =$            | 18. $\frac{2}{3} \times \frac{3}{8} \div 4 =$             |  |



The answers of both sets of sums are the same, but not in the same order.



# Puzzle Picture 11



The puzzle grid contains the following mathematical expressions:

- $\frac{1}{5}$ ,  $1\frac{1}{4}$ ,  $\frac{1}{10}$ ,  $\frac{2}{5}$ ,  $\frac{2}{11}$ ,  $\frac{3}{5}$ ,  $\frac{5}{6}$ ,  $\frac{6}{11}$ ,  $\frac{7}{8}$ ,  $\frac{4}{5}$ ,  $\frac{8}{9}$
- $\frac{9}{10}$ ,  $\frac{1}{7}$ ,  $\frac{2}{13}$ ,  $\frac{3}{7}$ ,  $\frac{4}{13}$ ,  $\frac{5}{7}$ ,  $2\frac{1}{4}$ ,  $\frac{7}{9}$ ,  $\frac{9}{13}$ , 12
- $\frac{1}{9}$ ,  $\frac{1}{12}$ ,  $\frac{2}{15}$ ,  $\frac{3}{13}$ ,  $\frac{4}{9}$ ,  $\frac{1}{10}$ , 16,  $\frac{9}{11}$ ,  $\frac{2}{7}$ ,  $\frac{8}{13}$
- $\frac{1}{11}$ ,  $1\frac{1}{2}$ , 10,  $\frac{5}{8}$ ,  $\frac{6}{15}$ ,  $\frac{7}{10}$ ,  $\frac{5}{14}$ ,  $\frac{3}{10}$ , 11,  $\frac{6}{7}$ , 12,  $\frac{2}{9}$
- $\frac{3}{8}$ ,  $\frac{3}{11}$ , 1,  $\frac{1}{6}$ ,  $\frac{1}{4}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$ , 2, 5,  $\frac{5}{9}$ , 9, 33, 21
- $\frac{4}{15}$ ,  $\frac{5}{13}$ ,  $\frac{5}{11}$ , 3, 4,  $\frac{2}{3}$ ,  $\frac{4}{11}$ ,  $\frac{9}{16}$ ,  $\frac{1}{10}$ ,  $2\frac{1}{2}$
- $\frac{2}{17}$ ,  $\frac{4}{27}$ ,  $\frac{8}{19}$ ,  $\frac{7}{17}$ ,  $\frac{1}{14}$ ,  $\frac{3}{4}$ ,  $\frac{2}{19}$ , 13,  $\frac{9}{19}$
- $\frac{3}{19}$ ,  $\frac{6}{19}$ ,  $\frac{7}{17}$ ,  $\frac{8}{19}$ ,  $\frac{1}{14}$ ,  $\frac{3}{4}$ ,  $\frac{2}{19}$ ,  $\frac{3}{14}$ ,  $\frac{9}{19}$
- $\frac{4}{19}$ ,  $\frac{8}{15}$ ,  $\frac{6}{17}$ ,  $\frac{7}{19}$ ,  $\frac{3}{23}$ ,  $\frac{5}{19}$ , 15
- $\frac{5}{17}$ ,  $\frac{7}{13}$ ,  $\frac{7}{15}$ ,  $\frac{1}{23}$ ,  $3\frac{1}{4}$ ,  $\frac{5}{19}$ ,  $2\frac{5}{8}$
- $2\frac{1}{8}$ ,  $\frac{2}{25}$ ,  $\frac{4}{25}$