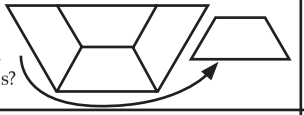
Construct	Result Unknown	Change Unknown	Start Unknown
Part–Whole Continuous	Cut this shape into quarters so that each piece is the same shape and size. 	This shape was cut up into equal parts like this. What fraction are these parts? 	This is one-quarter of a shape. What is the shape? 
Part–Whole Discrete	There are 12 marbles. You get one-quarter of them. How many marbles do you get? $\frac{1}{4} \times 12 = \square$	There are 12 marbles. You take three of them. What fraction of all the marbles is that? $\square \times 12 = 3$ or 3 out of 12 = $\frac{3}{12} = \frac{1}{4}$	You take out three marbles. That was one-quarter of your marbles. How many marbles do you have? $\frac{1}{4} \times \square = 3$
Operator (Fractions)	You have $24. You spend three-quarters of it. How much do you spend? $\frac{3}{4} \times 24 = \square$	You have $24 and spend $18 of it. What fraction of your money is that? $\square \times 24 = 18$ or $18 \div 24 = \square$	You spend $18. That is three-quarters of your money. How much money do you have at first? $\frac{3}{4} \times \square = 18$ or $18 \div \square = \frac{3}{4}$
Operator (Decimals)	Salmon costs $24 per kilogram. You buy a fillet that weighs 0.750 kilograms. How much do you pay? $0.750 \times 24 = \square$	Salmon costs $24 per kilogram. You pay $18 for a fillet. What is the weight of the fillet in kilograms? $\square \times 24 = 18$	You pay $18 for a 0.750 kilogram fillet of salmon. What is the price of the salmon in dollars per kilogram? $0.750 \times \square = 18$
Operator (Percentages)	You get 75% of 24 netball shots in. How many of your shots go in? $75\% \times 24 = \square$	You take 24 shots and get 18 of them in. What is your shooting percentage? $\square\% \times 24 = 18$ or $18 \div 24 = \square\%$	You get 18 shots in. That gives you a percentage of 75%. How many shots did you take altogether? $75\% \times \square = 18$ or $18 \div \square = 75\%$
Measure (Fractions)	A car uses one-eighth of a tank of petrol for each trip. How many trips can it make on three-quarters of a tank? $\frac{3}{4} \div \frac{1}{8} = \square$ or $\square \times \frac{1}{8} = \frac{3}{4}$	A car makes six trips on three-quarters of a tank of petrol. How much of a tank is used on each trip? $\frac{3}{4} \div \square = 6$ or $6 \times \square = \frac{3}{4}$	A car makes exactly six trips on part of a tank of petrol. Each trip takes one-eighth of a tank. What fraction of the tank was full? $\square \div \frac{1}{8} = 6$ or $6 \times \frac{1}{8} = \square$
Measure (Decimals)	A bottle holds 0.750 litres of fruit juice. Each glass holds 0.125 litres. How many glasses can be filled? $0.750 \div 0.125 = \square$ or $\square \times 0.125 = 0.750$	Six glasses are filled from a bottle to empty it. The bottle holds 0.750 litres of fruit juice. How much does each glass hold? $0.750 \div \square = 6$ or $6 \times \square = 0.750$	Six glasses are filled to empty a bottle. Each glass holds 0.125 litres. How much juice does the bottle hold? $\square \div 0.125 = 6$ or $6 \times 0.125 = \square$
Quotient	Four fruit strips are shared equally between seven students. How much of one fruit strip does each student get? $4 \div 7 = \square$	Four fruit strips are shared equally between some students. Each student gets four-sevenths of a strip. How many students are there? $4 \div \square = \frac{4}{7}$ or $\frac{4}{7} \times \square = 4$	Six students share some fruit strips equally. Each student gets four-sevenths of a fruit strip. How many fruit loops are shared? $\square \div 7 = \frac{4}{7}$ or $7 \times \frac{4}{7} = \square$
Rates/Ratios	Six oranges cost four dollars. What would fifteen oranges cost? 6:4 = 15:□	Fifteen oranges cost ten dollars. What is the cost of one orange? 15:10 = 1:□ (Unit rate)	Fifteen oranges cost ten dollars. What is the cost of six oranges? 15:10 = 6:□ How many oranges cost four dollars? 15:10 = □:4